ORDER NO. VSD9512M601

Service Manual

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Sec. 2 *Disassembly Procedures*
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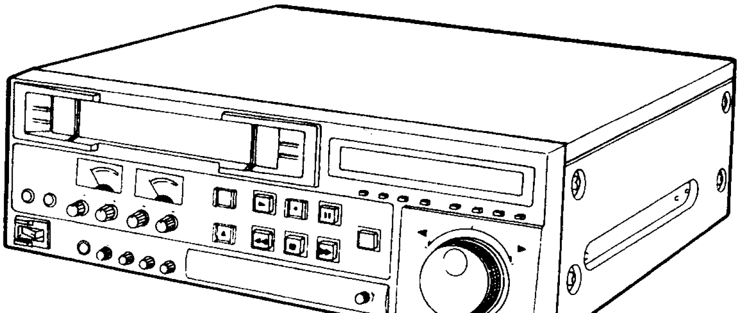
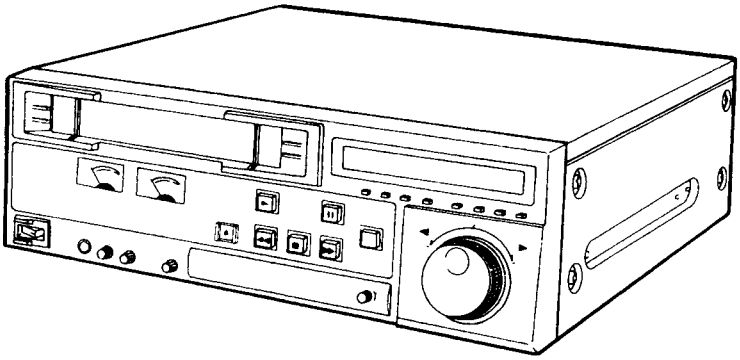
S VHS 625 VHS PAL Hi-Fi

Editing Video Cassette Recorder
AG-8700E
Editing Video Cassette Player
AG-8600E



AG-8700E



AG-8600E

Please file and use this Service Manual together with the Service Manual of AG-7700E/7600E (Order No. VSD9502M642)for The Mechanism (Sec. 3), Electrical Adjustment (Sec. 4), Schematic Diagrams(Sec.6) and Circuit Board Diagrams(Sec.7).

Panasonic

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Specifications

General

Power Supply:	220 – 240 V AC, 50 – 60 Hz
Power Consumption:	AG-8700; 82 W AG-8600; 68 W

is the safety information.

Recording System:	2 head-helical scanning, azimuth recording, S-VHS/VHS standards
Tape Speed:	23.39 mm/sec (under normal conditions)
Tape:	S-VHS tape, VHS tape
Recording Time:	180 minutes (with NV-E180)
FF/REW Time:	Approx. 2 minutes (with NV-E180)
Operating Humidity:	35% to 80%
Operating Temperature:	5°C – 40°C (during operation)
Dimensions (W × H × D)	424 × 131.5 × 415 mm
Weight:	About 11.5 kg

Video

Television Format:	PAL TV system;	625 lines, 50 fields
Input/Output:	Line (BNC);	1.0 Vp-p, 75 Ω
(For "Input", AG-8700 only)	S-VIDEO (4P);	Y: 1.0 Vp-p, 75 Ω C: 0.3 Vp-p, 75 Ω (burst)
	COMPONENT (BNC);	Y: 1.0 Vp-p, 75 Ω P_B: 525 mVp-p, 75 Ω P_R: 525 mVp-p, 75 Ω (75% Colour Bar without set-up)
Horizontal Resolution:	VHS;	250 lines
	S-VHS;	400 lines
S/N Ratio:	VHS;	45 dB (SC ON, colour mode)
	S-VHS;	46 dB (SC ON, colour mode)

Audio

Input:	Line Hi-Fi (XLR);	+4/0/–6 dBs, hi impedance, balanced
(AG-8700 only)	Line NORM (XLR);	+4/0/–6 dBs, hi impedance, balanced
	MIC;	–50 dBv, 4.7 kΩ, unbalanced
	Time code (BNC);	1.0 Vp-p, 10 kΩ, unbalanced
Output:	Line Hi-Fi (XLR);	+4/0/–6 dBs, 50 Ω, balanced
	Line NORM (XLR);	+4/0/–6 dBs, 50 Ω, balanced
	Headphones (6.3 mm);	–60 dBv ~ –20 dBv, 8 Ω, unbalanced
	Monitor (phono);	0 dBv, 600 Ω unbalanced
	Time code (BNC);	2.4 Vp-p, low impedance, unbalanced

Track Number:	4 tracks (2 normal audio tracks, 2 Hi-Fi audio tracks)
S/N Ratio:	48 dB (with Dolby NR switch ON, for normal sound)
Hi-Fi dynamic range:	More than 90 dB
Audio Frequency Response:	50 Hz to 12 kHz (normal sound) 20 Hz to 20 kHz (Hi-Fi sound)

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

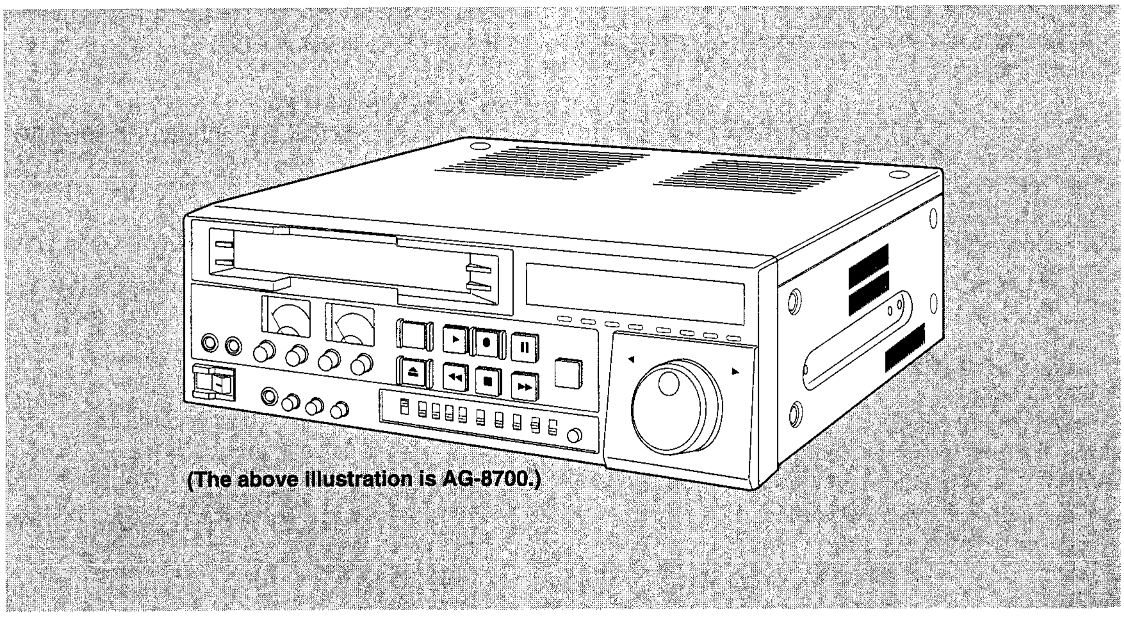
Operating Instructions

SVHS 625 VHS PAL Hi-Fi

Video Cassette Recorder/Player

Model AG-8700E

Model AG-8600E



(The above illustration is AG-8700.)

Panasonic

Before attempting to connect, operate or adjust this product, please read these instructions completely.

ENGLISH

DEUTSCH

FRANCAIS

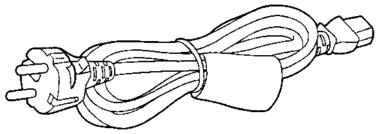
ITALIANO

ESPAÑOL

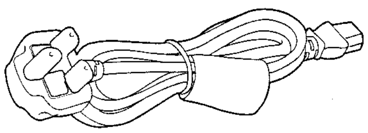
Caution for AC Mains Lead

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.
This product is equipped with 2 types of AC mains cable. One is for continental Europe, etc. and the other one is only for U.K.
Appropriate mains cable must be used in each local area, since the other type of mains cable is not suitable.

FOR CONTINENTAL EUROPE, ETC.
Not to be used in the U.K.



FOR U.K. ONLY
If the plug supplied is not suitable for your socket outlet, it should be cut off and appropriate one fitted.



FOR U.K. ONLY

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 13 amp fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amps and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark or the BSI mark on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.
WARNING: THIS APPLIANCE MUST BE EARTHED.
IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

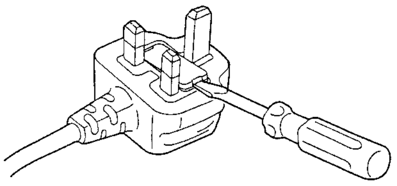
Green-and-Yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

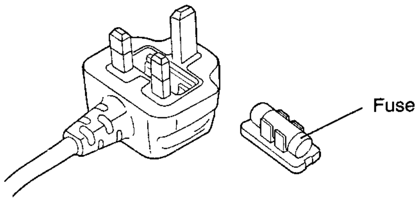
- The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the Earth symbol or coloured GREEN or GREEN-AND-YELLOW.
- The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
- The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

How to replace the fuse

1. Open the fuse compartment with a screwdriver.



2. Replace the fuse.



■ THIS APPARATUS MUST BE EARTHED

To ensure safe operation the three-pin plug msut be inserted only into a standard three-pin power point which is effectively earthed through the normal house-hold wiring.
Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Wrongly wired extension cords are a major cause of fatalities.
The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician.

■ DO NOT REMOVE PANEL COVER BY UNSCREWING

To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. And do not insert fingers or any other objects into the video cassette holder.

WARNING:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:
To reduce the risk of fire or shock hazard, refer change of switch setting inside the unit to qualified service personnel.

Warning:
This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Warnung:
Dieses Gerät entspricht der Klasse A. Bei Einsatz in einer häuslichen Umgebung kann es Funkstörungen verursachen, so daß der Benutzer dafür verantwortlich sein kann, diese Störungen zu beseitigen.

Avertissement:
Ceci est un produit de Classe A. Dans un environnement domestique, ce produit peut engendrer des interférences radio, auquel cas l'utilisateur peut être requis de prendre les mesures adéquates.

Attenzione:
Questo è un prodotto di Classe A. In un ambiente domestico, esso potrebbe causare l'interferenza radio, nel qual caso l'utente potrebbe essere tenuto a prendere le contremisure apporpriate.

Aviso:
Éste es un producto de la Clase A. En un hogar, este producto puede causar interferencias radioeléctricas, en cuyo caso, el usuario deberá tomar las medidas adecuadas.

Waarschuwing:
Dit is een "Klass A" produkt. In een bewoonde omgeving kan dit produkt radiostoring veroorzaken. In zo'n geval is het mogelijkt dat de gebruiker de geschikte maatregelen dient te nemen.

Varning:
Detta är en produkt av klass A. I hemmiljö kan denna produkt orsaka radiostörningar, vilket kan kräva att användaren måste vidtaga lämpliga åtgärder.

Advarsel:
Dette er et klasse A produkt. Ved hjemmeanvendelse kan dette produkt give radiointerferens, i hvilket tilfælde brugeren kan blive nødt til at tage passendre forholdsregler.

Varoitus:
Tämä on luokan A tuote. Kotiympäristössä tämä tuote saattaa aiheuttaa radiohäiriöitä, jolloin käyttäjä joutuu kenties suorittamaan sopivat toimenpiteet.

Advarsel:
Dette er et klasse A produkt. Ved hjemmebruk kan produktet forårsake radiointerferens, og brukeren må i så fall ta forbehold mot dette.

▭ is the safety information.

IMPORTANT:
"Unauthorized recording of copyrighted television programmes, films, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."

Introduction

Thank you very much for purchasing the AG-8700/AG-8600.
This is a video cassette recorder for editing applications which was developed for applications in industry, educational establishments, studios and CATV transmissions.
These Operating Instructions are for use both with model AG-8700 and model AG-8600.

High picture quality

A high contrast and high-definition picture is obtained through the use of the following functions.

- S-VHS system adopted to yield clear pictures with high resolution
- Time base corrector (TBC) to ensure that pictures have minimal jitter
- Digital noise reducers (DNR) for a high signal-to-noise ratio which is a generation ahead of that featured by ordinaly pictures

Highly dependable mechanisms

A full array of such highly reliable mechanisms as the AI servo-driven large-diameter capstan, dual reel motor drive system and DD cylinder combine to yield high-grade editing.
The cleaning mechanism also alleviates the problem of video head clogging.

Full range of options for system expansion

Full justice can be given to the functions of this editor highly accurate automatic editing operations can be performed by connecting the AG-A350 (RS-422A, 9-pin system), AG-A800 or AG-A770 editing controller.

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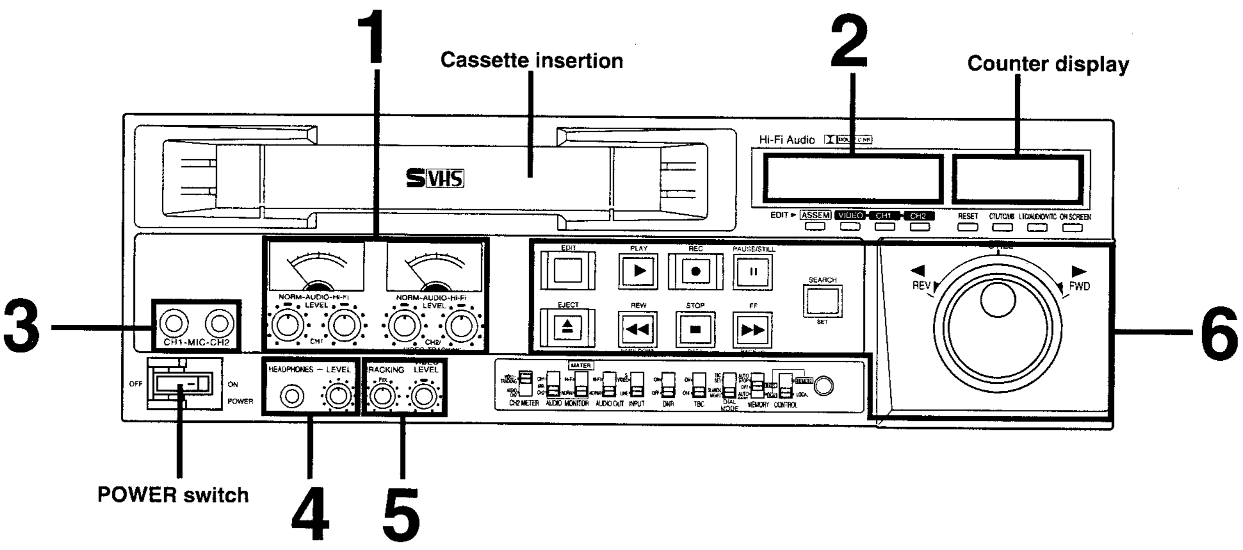
Front Panel parts


1
Cassette insertion
2
Counter display
3
6
POWER switch
4
5
S-VHS
Hi-Fi Audio
EDIT ▸ ASSEM VIDEO CH1 CH2
RESET
EDIT
PLAY
REC
PAUSE/STILL
EJECT
REW
STOP
FF
SEARCH
REV
FWD
NORM-AUDIO-Hi-Fi LEVEL
CH1-MIC-CH2
OFF
ON
POWER
HEADPHONES – LEVEL
TRACKING LEVEL

1. Level control area

Audio (CH1) level meter: Display CH1 audio level.
Audio (CH2) level meter: Display CH2 audio level or tracking level/video level.
Audio (CH1) NORMAL LEVEL control: Adjusts recording level for normal audio CH1.
(AG-8700 only)
Audio (CH1) Hi-Fi LEVEL control: Adjusts recording level for Hi-Fi audio CH1.
(AG-8700 only)
Audio (CH2) NORMAL LEVEL control: Adjusts recording level for normal audio CH2.
(AG-8700 only)
Audio (CH2) Hi-Fi LEVEL control: Adjusts recording level for Hi-Fi audio CH2.
(AG-8700 only)

2. Function display lamp area

WIDE lamp: Lights during WIDE signal recording and WIDE tape playback.
Cassette "in" lamp [◯◯]: Lights when a cassette is loaded.
S-VHS lamp [SVHS]: Lights in S-VHS mode.
Hi-Fi lamp: Lights when Hi-Fi audio is recorded or played back.
DOLBY* NR lamp: Lights when Dolby NR system is used.
FRAME lamp: Lights in framing servo lock mode.
LIMITER lamp: Lights when audio limiter is on.
CH2-TC lamp: Lights when audio CH2 is used as an LTC track.
SERVO lamp: Lights in servo lock mode.
CTL/TC/UB lamps: Lamp corresponding to selected counter display mode lights.
LTC/AUTO/VITC lamps: Lamp corresponding to selected time code mode lights.

3. Microphone area (AG-8700 only)

MIC jacks (CH1/CH2):	Connectors for M6 external microphones.

4. Headphone area

HEADPHONE jack:	Connects M6 stereo headphones.
HEADPHONE LEVEL control:	Adjusts headphones volume.

5. Picture quality adjustment area

TRACKING control:	Adjusts noise position.
VIDEO LEVEL control: **(AG-8700 only)**	Adjusts input video level (push-pull type).

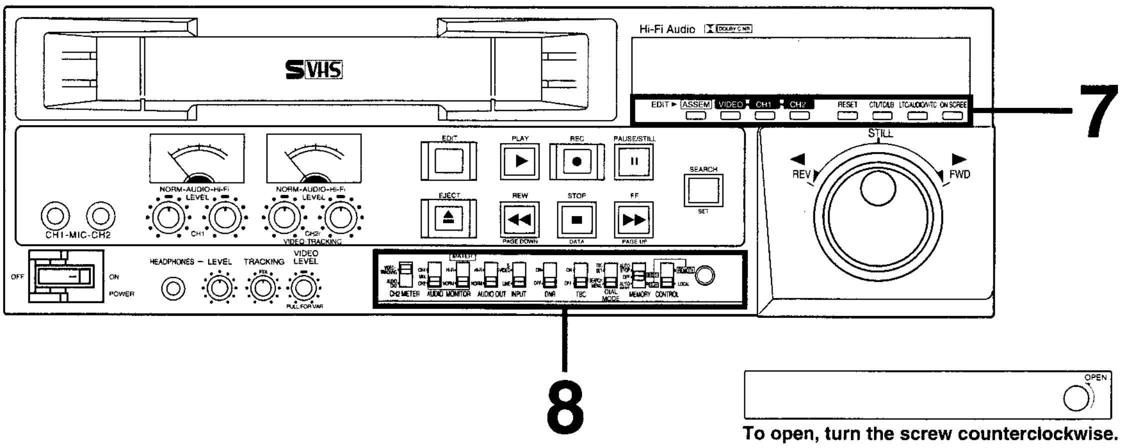
6. Basic operation area

EDIT button: **(AG-8700 only)**	Starts editing when pressed together with PLAY button.
PLAY button:	Starts playback.
REC button: **(AG-8700 only)**	Starts recording when pressed together with PLAY button.
PAUSE/STILL button:	Establishes still-picture mode during playback and pause mode during recording.
EJECT button:	Ejects cassette.
REW (PAGE DOWN) button:	Rewinds the tape; scrolls down page in MENU mode.
STOP (DATA) button:	Stops all operations; sets data in MENU mode.
FF (PAGE UP) button:	Rapidly advance the tape; scrolls up page in MENU mode.
SEARCH (SET) button:	Executes and releases search; sets menu in MENU mode; sets standard level in TBC set mode.
SEARCH/JOG dial:	Adjusts search speed (outer dial for SHUTTLE mode; inner dial for JOG mode); selects menu in MENU mode; sets level in TBC set mode.

***Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.**

***"DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.**

Front panel parts (cont.)


Hi-Fi Audio
S-VHS
EDIT ▶ ASSEM VIDEO CH1 CH2
RESET CTL/TC/UB LTC/AUTO/VITC ON SCREEN
7
EDIT PLAY REC PAUSE/STILL
EJECT REW STOP FF
PAGE DOWN DATA PAGE UP
SEARCH
SET
STILL
REV
FWD
NORM-AUDIO-Hi-Fi LEVEL
CH1 CH2
VIDEO TRACKING
CH1-MIC-CH2
OFF ON POWER
HEADPHONES – LEVEL TRACKING VIDEO LEVEL
PULL FOR VAR
CH2 METER AUDIO MONITOR AUDIO OUT INPUT DNR TBC DIAL MODE MEMORY CONTROL
8
OPEN

To open, turn the screw counterclockwise.

7. Editing mode setting area/TBC mode setting area

ASSEMBLE (VIDEO LEVEL) button:	Sets assemble editing; sets video level in TBC mode.
INSERT VIDEO (BLACK LEVEL) button:	Performs insert editing of video signals and Hi-Fi audio signals; sets black level in TBC mode.
INSERT AUDIO-CH1 (CHROMA LEVEL) button:	Performs insert editing of normal audio CH1; sets chroma level in TBC mode.
INSERT AUDIO-CH2 (CHROMA PHASE) button:	Performs insert editing of normal audio CH2 or TC; sets chroma phase in TBC mode.
RESET (YC DELAY) button:	Resets counter; sets YC delay in TBC mode.
CTL/TC/UB (SYSTEM H PHASE) button:	Switches counter mode; sets system H phase in TBC mode.
LTC/AUTO/VITC (SYSTEM SC PHASE FINE) button:	Switches time code read mode; sets system SC phase fine adjustment in TBC mode.
ON SCREEN (SYSTEM SC PHASE COARSE) button:	Displays data on monitor TV; sets system SC phase coarse adjustment in TBC mode.

8. Function setting area

CH2 METER switch:	Switches between tracking/video meter and audio CH2.
AUDIO MONITOR switch:	Selects monitor audio channel.
AUDIO MONITOR (METER) switch:	Switches monitor audio type.
AUDIO OUT switch:	Switches output audio type.
INPUT switch: **(AG-8700 only)**	Switches video input signal.
DNR switch:	DNR operation switch (Y and C levels set using the set-up menu).
TBC switch:	Switches TBC mode.
DIAL MODE switch:	Switches search dial mode to search operation, TBC control or set-up menu control.
MEMORY switch:	Switches memory mode when CONTROL switch is set to "LOCAL". Switches editing mode when CONTROL switch is set to "REMOTE" (34-pin controller only).
CONTROL switch:	Switches between remote and local modes.

Counter display parts

When the DIAL MODE switch is at the SEARCH position:

Mode	Counter Display	Remarks
CTL	-8:88:88:88	The shaded area remains blank for CTL interpolation.
TC	88:88:88:88	
UB	88 88 88 88	

When the DIAL MODE switch is at the MENU position:

Mode	Counter Display	Remarks
SELECT PAGE	Su:88 88	The shaded area flashes on and off.
SET PAGE	Su:88 88.88	
TC PRESET	88:88:88:88	The input digits flash on and off.
UB PRESET	88 88 88 88	

Hour meter display

The following items are indicated alternately while the RESET button is kept depressed.

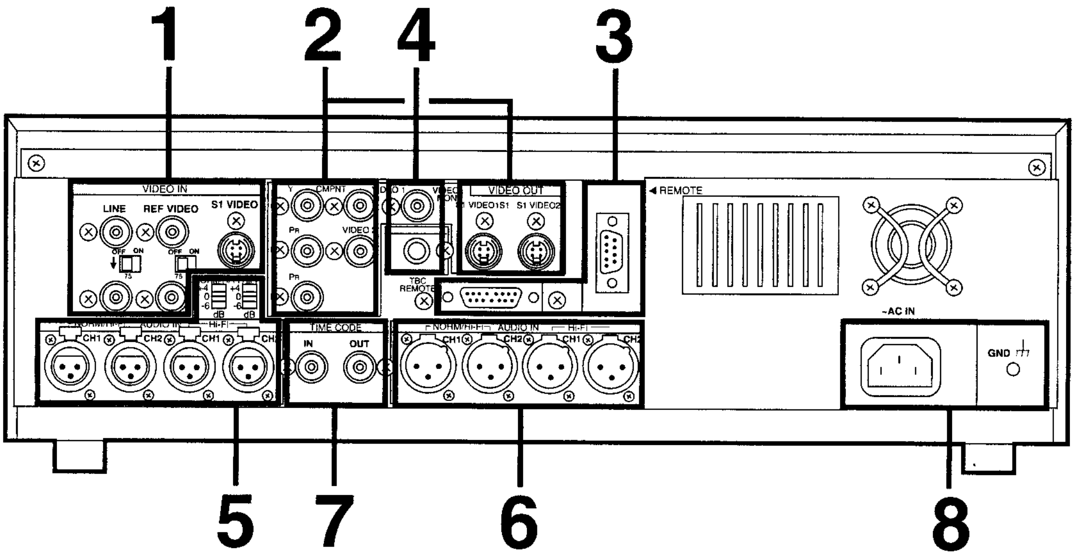
Mode	Counter Display	Remarks
Capstan rotation cumulative time	C 88 88 8H	Set the CONTROL and DIAL MODE switches to REMOTE and MENU, respectively.
Total drum rotation time	d 88 88 8H	

VITC Position display

The following items are displayed while the RESET button is kept depressed.

Mode	Counter Display	Remarks
When reading of VITC position was possible	88.88 L	Set the CONTROL and DIAL MODE switches to REMOTE and SEARCH, respectively.
When reading of VITC position was not possible	--.-- L	

Rear panel parts


1
2
4
3
VIDEO IN
LINE
REF VIDEO
S1 VIDEO
OFF ON
75
OFF ON
75
+4
0
-6
dB
+4
0
-6
dB
Y
CMPNT
PR
PB
VIDEO 2
VIDEO 1
VIDEO MONI
TBC REMOTE
VIDEO OUT
S1 VIDEO1
S1 VIDEO2
◀ REMOTE
~AC IN
GND
NORM/Hi-Fi
AUDIO IN
Hi-Fi
CH1
CH2
CH1
CH2
TIME CODE
IN
OUT
NORM/Hi-Fi
AUDIO IN
Hi-Fi
CH1
CH2
CH1
CH2
5
7
6
8

1. Video input signal area

S1-VIDEO IN connector: **(AG-8700 only)**	S1-VIDEO signal input connector.
REF VIDEO IN connector:	Input connector for external reference signal (with loop-through 75 Ω termination switch).
LINE IN connector: **(AG-8700 only)**	Video signal input connector (with loop-through 75 Ω termination switch).

2. Video output signal area

S1-VIDEO OUT (1, 2) connectors:	S1-VIDEO signal output connectors.
VIDEO OUT (1, 2) connectors:	Video signal output connectors.
COMPONENT OUT connectors:	Component signal output connectors.

3. Remote signal area

TBC REMOTE connector:	Connector for TBC remote controller (15P).
REMOTE 9P connector:	Connector for editing controller (9P).

4. Monitor output signal area

VIDEO connector: Output connector for video monitor signal.
AUDIO connector: Output connector for audio monitor signal.

5. Audio input signal area (AG-8700 only)

Input audio level switches: Set input level to –6, 0 or +4 dB.
NORM/Hi-Fi audio input connectors: NORM/Hi-Fi audio (CH1/2) input connectors.
Hi-Fi audio input connectors: Input connectors for hi-fi sound only.

6. Audio output signal area

NORM/Hi-Fi audio output connectors: NORM/Hi-Fi audio (CH1/2) output connectors.
Hi-Fi audio output connectors: Output connectors for hi-fi sound only.

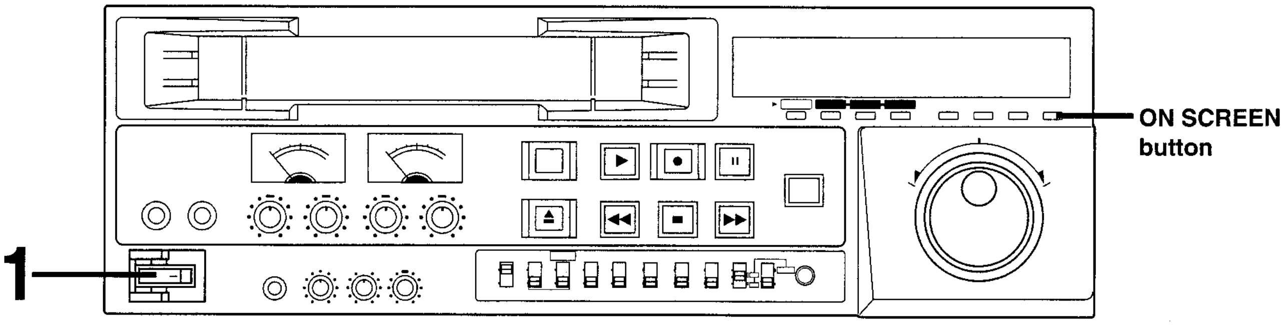
7. Time code signal area

TIME CODE IN connector: Time code signal input connector.
(AG-8700 only)
TIME CODE OUT connector: Time code signal output connector.

8. Power supply circuit area

GND terminal: When connecting this unit to any other component, make absolutely sure that it is properly grounded by connecting this terminal.
AC IN socket: Connect to AC 220~240V power outlet.

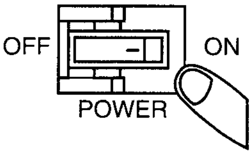
Switching on the power

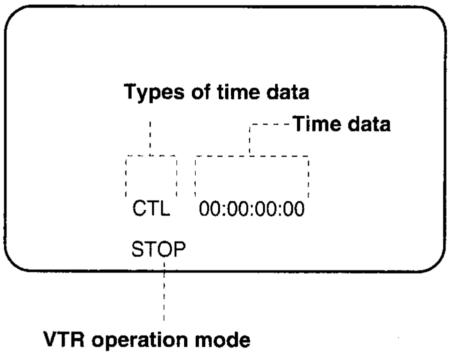

1
ON SCREEN button

1. Press the POWER switch.

The power is now supplied to the unit.

- The display below appears through VIDEO MONITOR OUT connector if the ON SCREEN button is pressed.

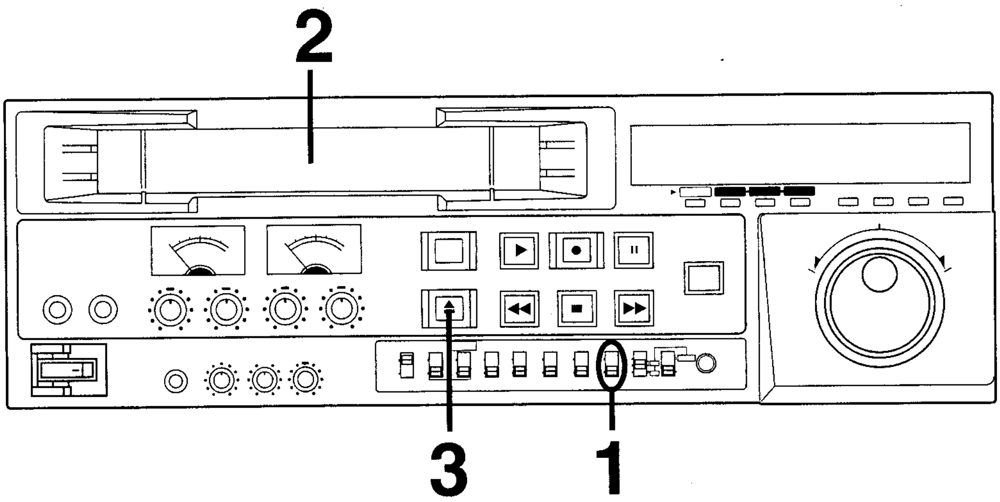

OFF
ON
POWER


Types of time data
Time data
CTL
00:00:00:00
STOP
VTR operation mode

This appears only when item No. 4004 of the dial menu function is ON.

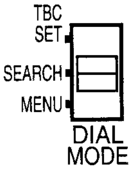
- If an error appears on the display, stop operation immediately and read page E-59.

Installing a cassette



1. Set the DIAL MODE switch to SEARCH.

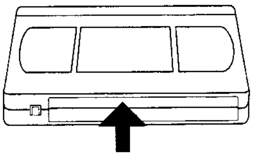
- When the DIAL MODE switch is at "MENU", operations not relating to the dial menu functions cannot be performed; when it is at "TBC SET ", operations other than PLAY, STOP, FF, REW, EJECT, REC, PAUSE, EDIT cannot be performed.



2. To install the cassette tape:

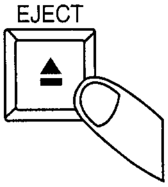
Insert the tape in the slot provided and push the center area of the cassette gently.

The cassette "in" lamp now lights in the function display lamp area.



3. To remove the cassette tape:

Press the EJECT button. Draw the emerging cassette tape out straight toward you.
The cassette "in" lamp now goes off.



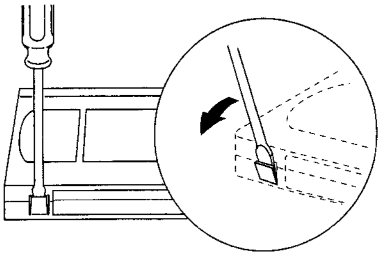
MEMO

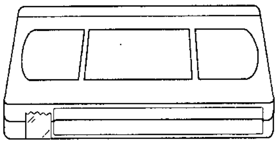
To prevent accidental erasure of recorded material:

Break out the tab to prevent further recording.

To re-record:

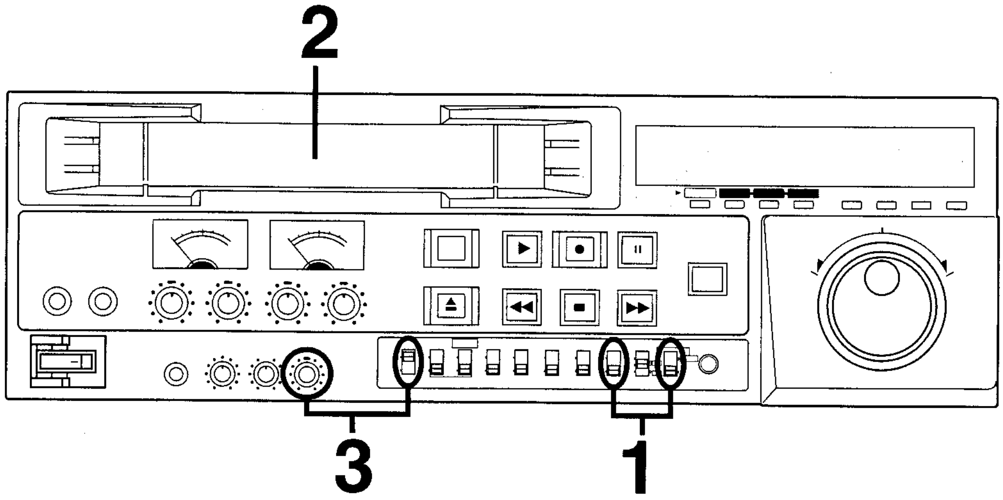
Block the tab hole with cellophane tape.





Block the hole with tape.

Recording (AG-8700 only)

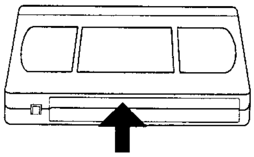


1. Set the switches (see page E-21 to E-23).

CONTROL switch → LOCAL
DIAL MODE switch → SEARCH

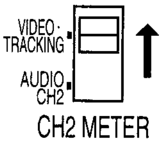
2. Install the cassette tape (see page E-13).

Check that the tab on the recording tape for preventing accidental erasure has not been broken out.



3. Adjust the recording level.

[1] **Set the CH2 METER switch to "VIDEO TRACKING."**



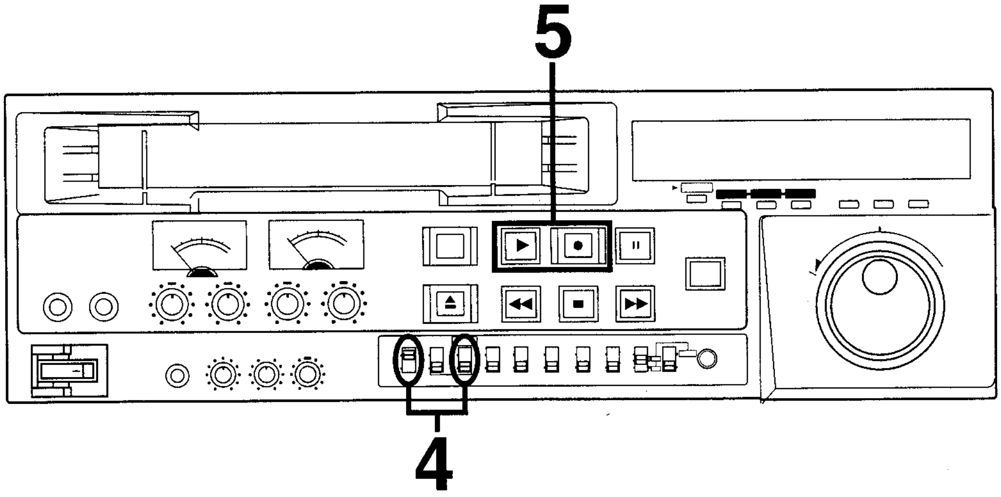
[2] **Automatic adjustment**
Press in the VIDEO LEVEL control. The recording level will now be adjusted automatically.

[3] **Adjustment to desired level**
Pull out and turn the VIDEO LEVEL control.

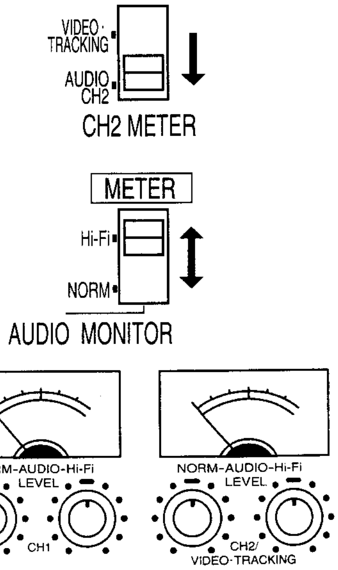
The appropriate recording level is where "0" is indicated on the level meter.

- The AUDIO CH2 level meter indicates the recording level during recording.

VIDEO LEVEL
PULL FOR VAR



4. Adjust the audio recording level.



[1] Set the CH2 METER switch to "AUDIO CH2."

[2] Select the type of sound whose level is to be adjusted.

Use the METER switch for this.
Hi-Fi: The meter displays the hi-fi audio level.
NORM: The meter displays the normal audio level.

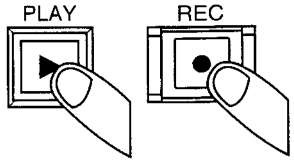
[3] Level adjustment

Rotate the level controls and set them to the highest possible value where the pointers do not pass beyond the "0" position on the level meters.

- Set the "AUDIO LIMITER" (item No. 3002) dial menu function to "OFF" before proceeding with the normal audio level adjustment.

5. Press the REC and PLAY buttons together.

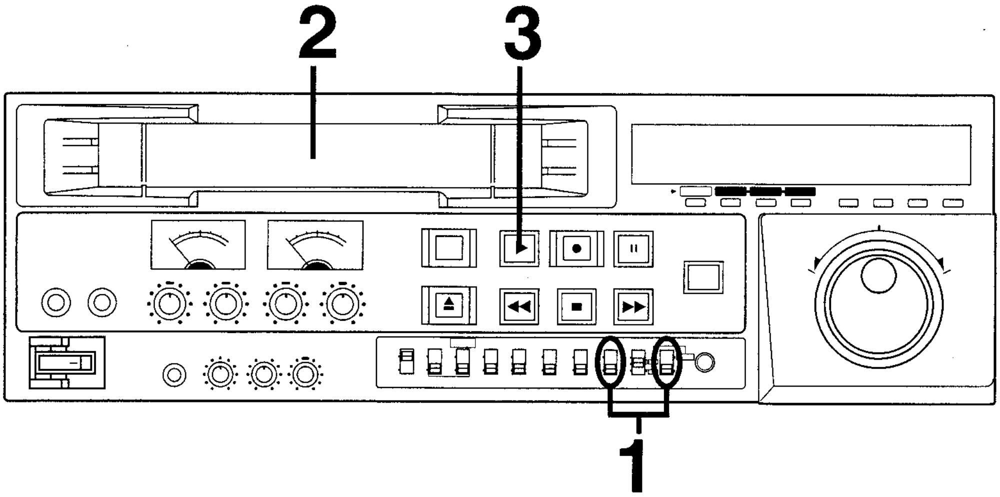
Recording now starts.



MEMO

- The dial menu functions are used to activate the audio limiter function and Dolby NR system (see page E-41).
  When the audio limiter function is activated, the automatic volume limiter circuit operates to ensure that the sound is recorded without distortion even if the input level should reach an excessively high level during recording.
  The Dolby NR system ensures that the sound is recorded and played back with reduced tape noise (hiss).
- When recording Hi-Fi sound, set the "HI-FI REC" (item No. 3003) dial menu function to "ON".
- When the Hi-Fi sound is not to be recorded, it is not enough merely to set the level control to the "0" position. Be sure to set the "HI-FI REC" (item No. 3003) dial menu function to "OFF".
- The Hi-Fi audio input connectors can be switched using the "HI-FI INPUT SELECT" (item No. 3004) dial menu function.
- To make a recording using an external sync signal, set the "SYNC" (item No. 1001) dial menu function to "EXT".

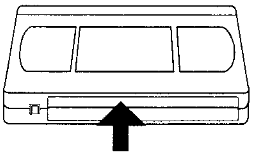
Playback



1. Set the switches (see page E-21 to E-23).

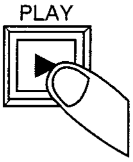
CONTROL switch → LOCAL
DIAL MODE switch → SEARCH

2. Install the cassette tape (see page E-13).

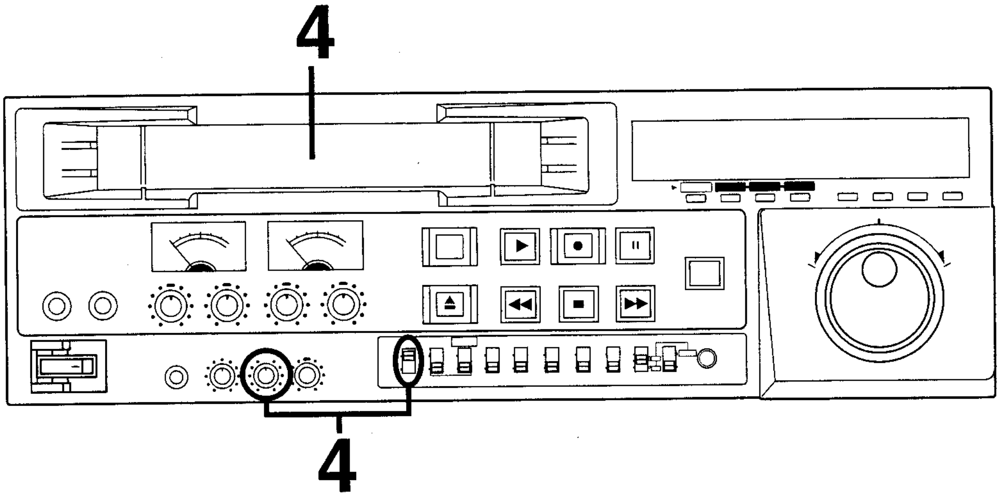


Install the tape with the recorded sound and pictures which are to be played back.

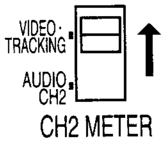
3. Press the PLAY button.



Playback now commences.



4. Adjust the tracking.


VIDEO·
TRACKING
AUDIO
CH2
CH2 METER

[1] Set the CH2 METER switch to "VIDEO TRACKING."

[2] Normally,

the TRACKING control is set to its centre "FIX" position for playback.

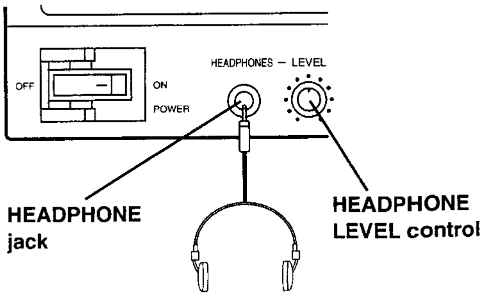
TRACKING
FIX

[3] When playing back a tape which has been recorded on another VTR,

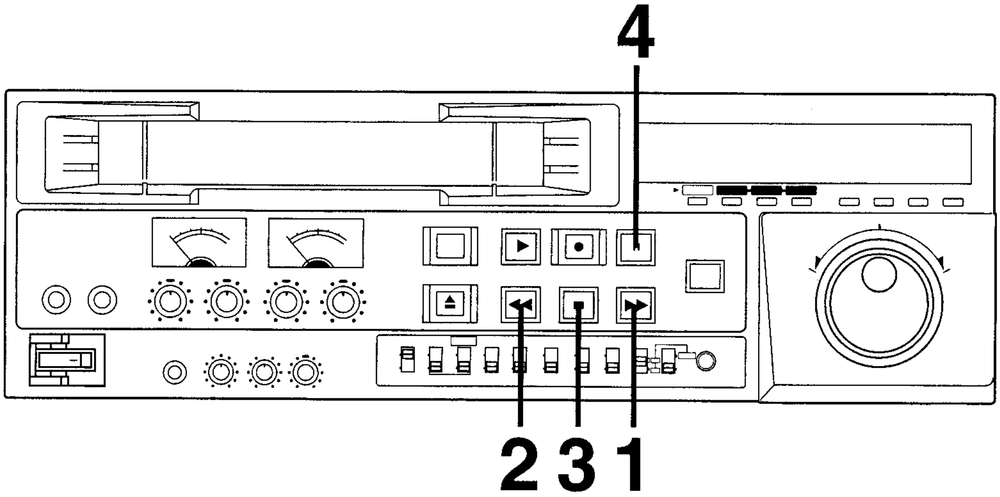
turn the TRACKING control slowly to the left or right and set so that the meter pointer deflects to the maximum.

NOTES

- Set the Dolby NR system ON using the dial menu function when playing back a tape which has been recorded using the system (see page E-41).
- If the tracking shifts out of alignment during playback, the Hi-Fi lamp will go out and the Hi-Fi sound will not be output even if it was recorded.
- When using the headphones:
  The volume level may change when high-impedance headphones are connected.
- To playback a signal using an external sync signal, set the "SYNC" (item No. 1001) dial menu function to "EXT".

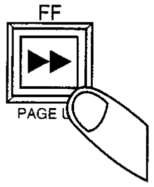

OFF
ON
POWER
HEADPHONES – LEVEL
HEADPHONE jack
HEADPHONE LEVEL control

FF, REW stop and pause/still



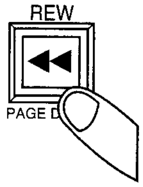
1. Fast forwarding the tape

Press the FF button.



2. Rewinding the tape

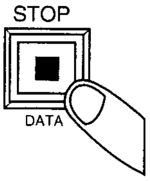
Press the REW button.



3. Stopping the tape

Press the STOP button.

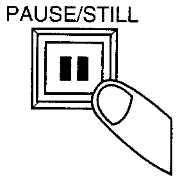
- The STOP button lights and all operations are stopped.
- When the "PB/EE SELECT" (item No. 2004) dial menu function is set to "EE", E-E pictures will appear on the TV monitor.



4. Pause

Press the PAUSE/STILL button during recording or playback.

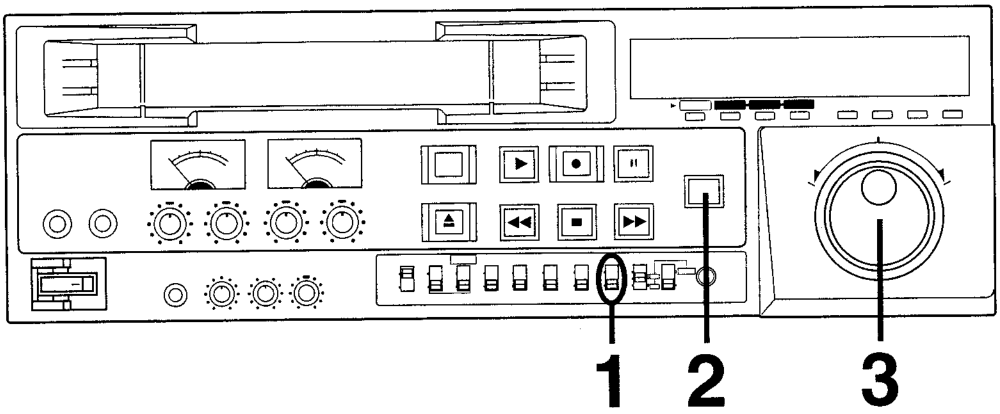
- During playback, the unit is placed in the PAUSE/STILL mode and still pictures are played back.
- During recording, the unit is placed in the REC/PAUSE mode and recording is temporarily suspended.



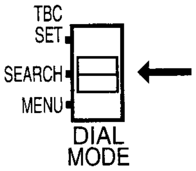
NOTES

- Set the CONTROL switch to LOCAL.
- Set the DIAL MODE switch to SEARCH.
- The unit is automatically placed in the tape protection mode if the STOP or PAUSE/STILL mode should continue beyond a certain period of time (which can be set using the item No. 1002 to 1004 dial menu function). (See page E-38.)

Search operations

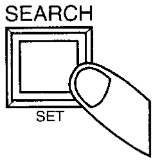


1. Set the DIAL MODE switch to “SEARCH”.



2. Press the SEARCH button.

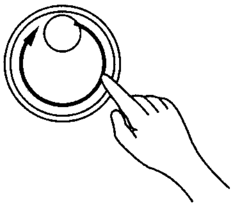
The SEARCH button, PLAY button and PAUSE/STILL button light, indicating that a search can now be performed.



3. Operate the search dial.

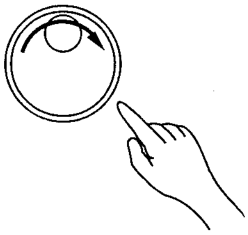
The inner dial is used for the jog mode and the outer dial for the shuttle mode.

- When the dial is turned toward the right, the tape is played back in the forward direction (the FWD lamp lights); conversely, when it is turned toward the left, the tape is played back in the reverse direction (the REV lamp lights).



[1] **JOG mode**

Turn the outer dial to the center position. The tape is played back at a speed ranging from a still picture to ±1x the normal speed depending on the speed at which the inner dial is turned. When the turning of the dial is stopped, a still picture display appears regardless of the switch setting.



[2] **SHUTTLE mode**

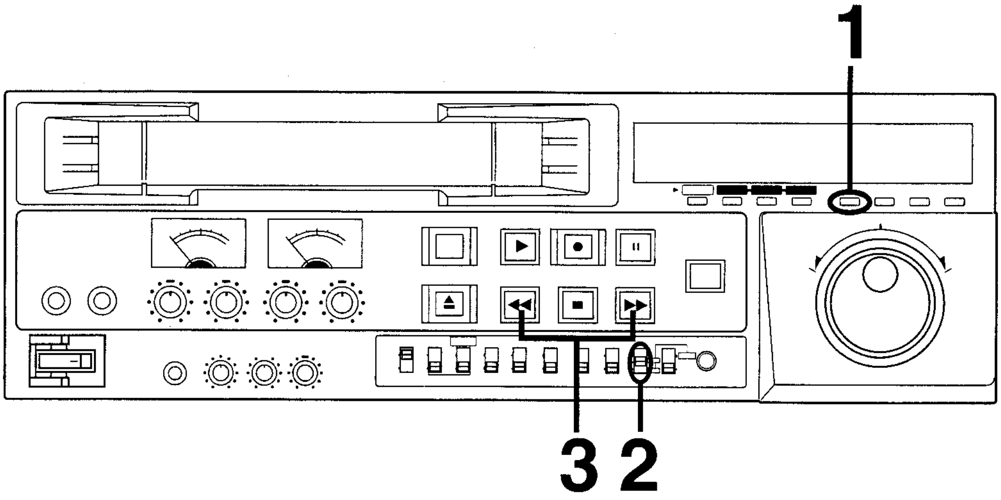
In response to the angle to which the outer dial is turned, the tape can be played back at a speed ranging from 0 to ±32x faster or slower than normal tape speed. (However, when the tape approaches the end, the low-speed search mode is established in order to protect the tape from possible damage.) A still picture results at the centre (click-stop) position.

When the tape is played back at the –32x speed, the picture on the monitor screen will slip: this is normal and not indicative of malfunctioning.

NOTES

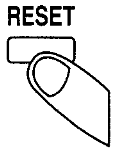
- Keep the CONTROL switch at the LOCAL position.
- When setting the direct search mode, set the “DIRECT SEARCH” (item No. 1005) dial menu function to “ON.” (See page E-38.)

AUTO STOP function

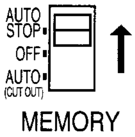


1. Press the RESET button at the position where the tape is to be automatically stopped.

The tape counter displays “0:00:00:00.”

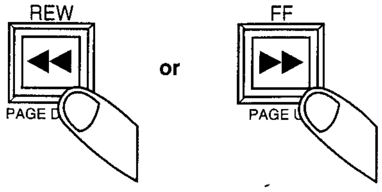


2. Set the MEMORY switch to AUTO STOP.



3. Proceed with fast forward or rewinding.

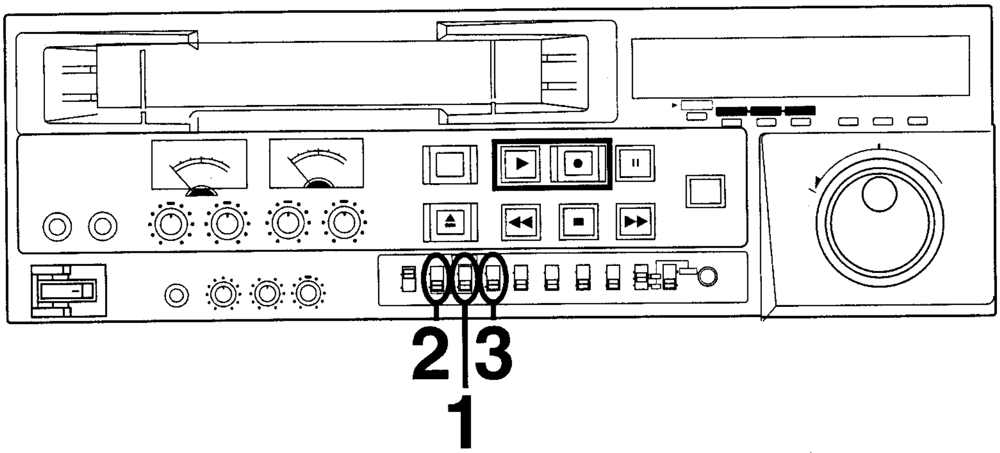
The tape automatically stops when the tape counter display nears the “0:00:00:00” mark.



NOTE

- The AUTO STOP function does not work when:
  - The CONTROL switch is at the “REMOTE” position.
  - The CTL/TC/UB button is at any position except “CTL.”
  - DIAL MODE switch is at the “MENU” position.
- The AUDIO OUT level can be selected using the switch (located below the circuit board’s metal clamp) on the AUDIO2 printed circuit board. (See page E-56.)

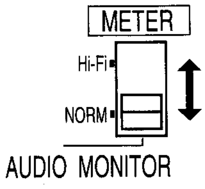
Setting the audio switches



1. Setting the AUDIO MONITOR (METER) switch

This is used to select the sound displayed on the level meter and the sound which is output to the headphone jack on the front panel or the AUDIO MONITOR connector on the rear panel.

Hi-Fi: Hi-Fi sound is selected.
NORM: Normal sound is selected.

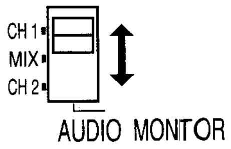


2. Setting the AUDIO MONITOR switch

This is used to select the audio channel for the sound output to the headphones jack on the front panel and the AUDIO MONITOR connector on the rear panel.

CH1: The CH1 sound is output.
MIX: Mixed CH1 and CH2 sound is output to the headphones jack CH1 sound is heard at the left and
CH2: CH2 sound at the right.
The CH2 sound is output.

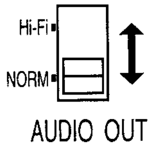
- No sound will be heard from normal audio CH2 when the "AUDIO CH2" (item No. 3006) dial menu function is set to "LTC."



3. Setting the AUDIO OUT switch

This is used to select the sound which is output to the AUDIO OUT (NORM/Hi-Fi) connectors on the rear panel.

Hi-Fi: Discriminates between Hi-Fi and normal audio automatically. When there is no Hi-Fi audio output signal, normal audio will be automatically outputted.
NORM: Normal sound is selected.

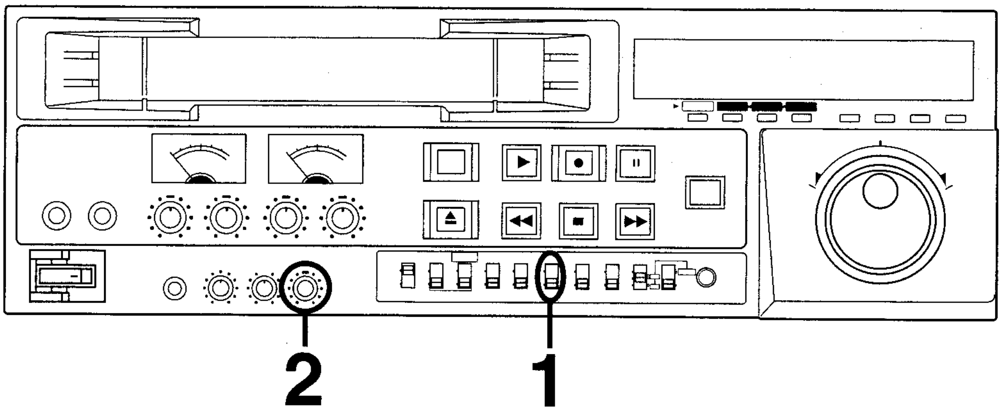


NOTE

■ Set "HI-FI REC" (item No. 3003) dial menu function to "ON", to record Hi-Fi sound.

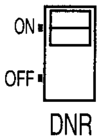
ON: Hi-Fi sound and normal sound are recorded.
OFF: Normal sound is recorded.

Setting the video switches



1. Setting the DNR (digital noise reducer) switch

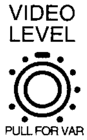
- When playing back a tape with a reduced signal-to-noise ratio, this switch can be used to reduce the noise level as warranted by the picture quality. (However, a slight deterioration in the resolution will result.)
- Keep this switch OFF during editing. The picture may be disturbed if a tape is repeatedly edited.
- Bear in mind that when material is dubbed repeatedly in the DNR ON mode, after-imaging will be prevalent.
- The degree of S/N ratio enhancement can be controlled by setting dial menu function item No. 2013 and 2014.
- The DNR switch functions when the TBC switch is ON.



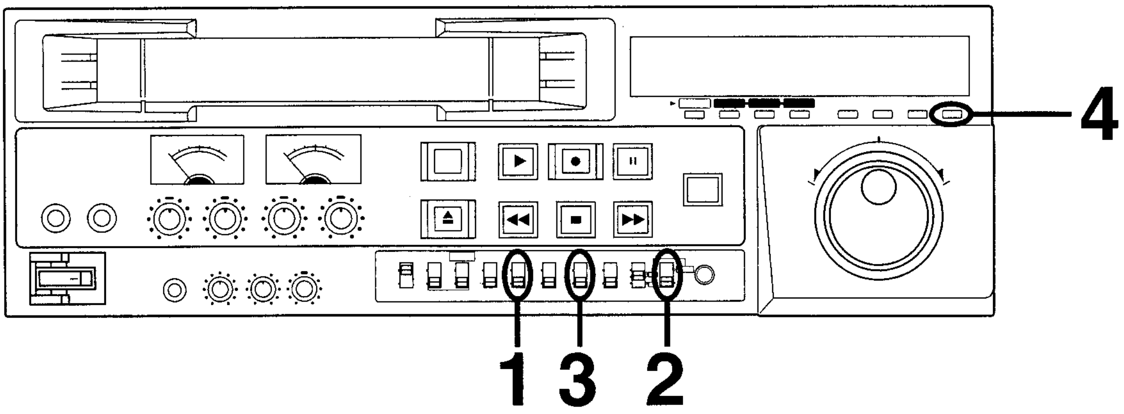
2. Setting the VIDEO LEVEL control (AG-8700 only)

This is used to adjust the video level automatically during recording.

PUSH: The video level is automatically adjusted.
PULL: The video level is not automatically adjusted.



Other switch settings

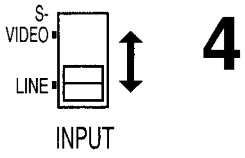


1. Setting the INPUT switch (AG-8700 only)

During editing this switch is set to the position corresponding with the input signal.

S-VIDEO: When recording video signals which have been input to the S1-VIDEO IN connectors.

LINE: When recording video signals which have been input to the VIDEO IN connectors.



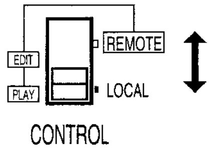
2. Setting the CONTROL switch

This is used to set the unit's control mode.

REMOTE: Set to this position for operating the unit by remote control using an controller, etc. Only the unit's eject function will now be operational.

LOCAL: Set to this position to operate the unit.

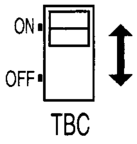
- The operation modes of this unit in the REMOTE mode can be set using dial menu item No. 5001.



3. Setting the TBC switch

This is used to activate the TBC (Time Base Corrector) for video output signals.

ON : TBC is functioned.
OFF: TBC is by-passed.



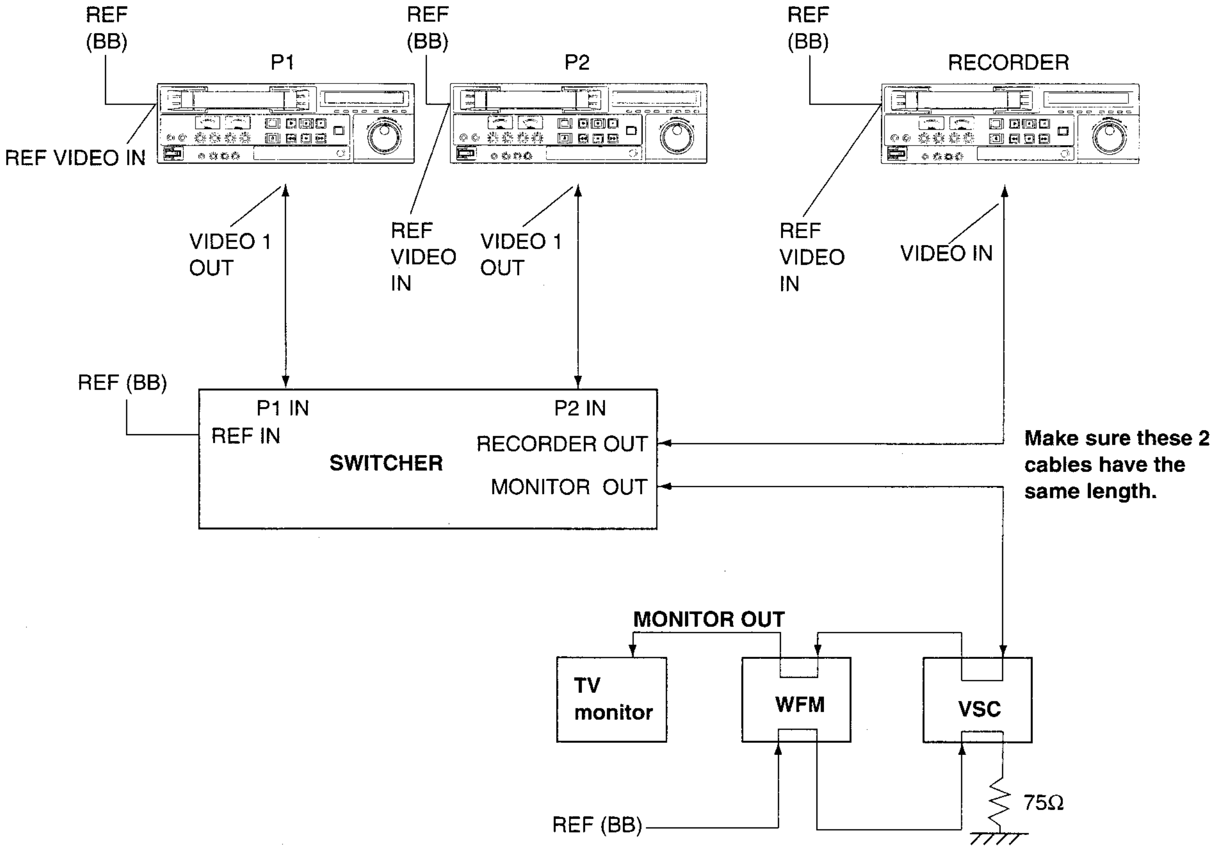
4. Setting the ON SCREEN button

This is used to add a time code or other superimpose signal to the video signal which is output from the VIDEO MONITOR connector.

TBC adjustments

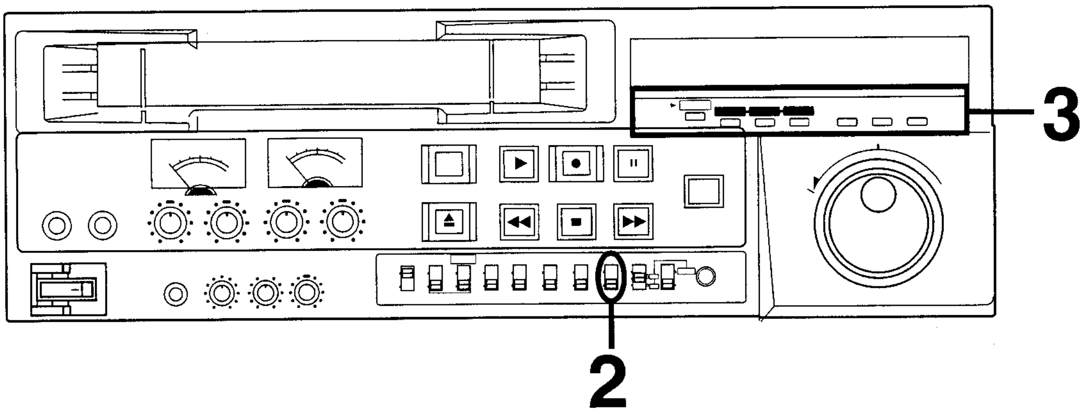
The TBC can be used to reduce the amount of jitter and distortion called skew (a phenomenon where the top part of the picture is bent horizontally).
For AB roll editing (a method of editing using two source units) using an editor, the TBC must be adjusted after it has been connected to the system so that the material will be edited accurately and error-free. (The TBC must be readjusted every time its connecting cable is replaced or its connections are changed.)

1. Make the connections as shown in the figure below.


REF (BB)
P1
REF VIDEO IN
VIDEO 1 OUT
REF (BB)
P2
REF VIDEO IN
VIDEO 1 OUT
REF (BB)
RECORDER
REF VIDEO IN
VIDEO IN
REF (BB)
P1 IN
REF IN
SWITCHER
P2 IN
RECORDER OUT
MONITOR OUT
Make sure these 2 cables have the same length.
MONITOR OUT
TV monitor
WFM
VSC
REF (BB)
75Ω

[1] Supply the external reference signal from the sync signal generator to the unit.

[2] Provide a composite connection for the video signals.



2. Set the DIAL MODE switch to "TBC SET."

■ The TBC SET menu (Menu No.1) is output on the monitor.

•Notes
The first menu is not output if "TBC REMOTE" (item No. 2015) dial menu function is set to "REMOTE".
Either set "TBC REMOTE" to "LOCAL" or use an external TBC encoder to perform adjustment.

Menu No.1

TBC CONTROL

1. **VIDEO LEVEL**
2. **BLACK LEVEL**
3. **CHROMA LEVEL**
4. **CHROMA PHASE**
5. **YC DELAY**
6. **SYSTEM H PHASE**
7. **SYSTEM SC PHASE FINE**
8. **SYSTEM SC PHASE COARSE**

3. Proceed with the discrete adjustment.

Since the TBC of this unit has already been adjusted using standard colour bars, the control normally used is set to "0." If readjustment is required with the tape being used, proceed from the left.

- The various items correspond to the eight buttons (TBC mode setting area) below the display tube, in order starting from the left.

[1] Playback a tape with colour bars recorded on it.

[2] Adjust the various items.

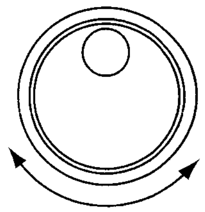
Press the button corresponding to the item you wish to adjust (TBC mode setting area) and Menu No.2 is displayed. Make adjustments by turning the JOG dial to move the cursor to the right or left.

Menu No.2

TBC CONTROL NO.1

1. VIDEO LEVEL

3 2 1 0 1 2 3
–...........▬...........+



NOTE

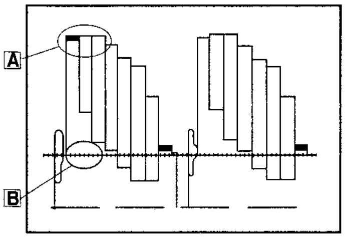
- No adjustments can be made on the TBC SET screen menu when the screen has stopped.

TBC adjustments (cont.)

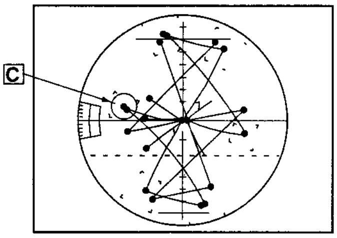
[3] Adjust the various items.

Adjust the various items so that the displays on the waveform monitor (WFM) and vectorscope (VSC) appear as described below.

Waveform on waveform monitor



Waveform on vectorscope



A: **•Video level**
Adjust to 1V.

B: **• Black level**
Adjust to eliminate any deviation.

C: **•Chroma level**
Adjust so that the specified level is obtained.

•Chroma phase
Adjust so that the vector waveform traces are positioned inside the ⊞ mark on the VSC.

[4] Adjust the YC delay control.

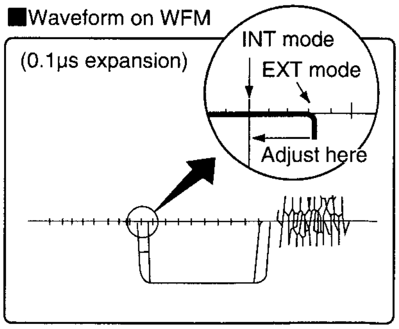
(Normally, adjustment is unnecessary.)
Adjust this to compensate for a shift in YC delay (colour shift) of the tape being played back. Each step represents an adjustment of approx. 70ns.

[5] Adjust the SYSTEM PHASE controls.

❶ Playback the standard colour bars on VTR P1.
❷ Adjust the SYS PHASE controls on VTR P1.
Adjust them so that the waveform shown below appears on the waveform monitor (WFM).

1) Set the WFM to the INT mode and set the expansion to 0.1µs.
2) Check the horizontal sync position.
3) Now set the WFM to the EXT mode.
4) In the EXT mode adjust the SYS PHASE controls so that the H SYNC signal is aligned with the position above. First adjust H, then use SC COARSE for the overall adjustment and SC FINE for the fine adjustment.
5) Adjust the SYS PHASE controls on VTR P2 in the same manner.

■Waveform on WFM



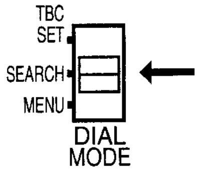
(Pay close attention to the sync signal rise.)

MEMO

Description of adjustments

VIDEO LEVEL:	Adjusts the video level.
BLACK LEVEL:	Adjusts the black level.
CHROMA LEVEL:	Adjusts the chroma level.
CHROMA PHASE:	Adjusts the chroma phase.
YC DELAY:	Adjusts the YC delay.
SYSTEM H PHASE:	Adjusts the phase of the horizontal sync signal from the built-in sync generator to the external reference signal supplied from the external source in order to achieve genlock.
SYSTEM SC PHASE:	Adjusts the phase of the subcarrier signal from the built-in sync generator to the external reference signal supplied from the external source in order to achieve genlock.
COARSE:	Adjustment in 4 steps of 90°.
FINE:	Continuous adjustment, range of just over 90°. Together, these controls cover 360°.

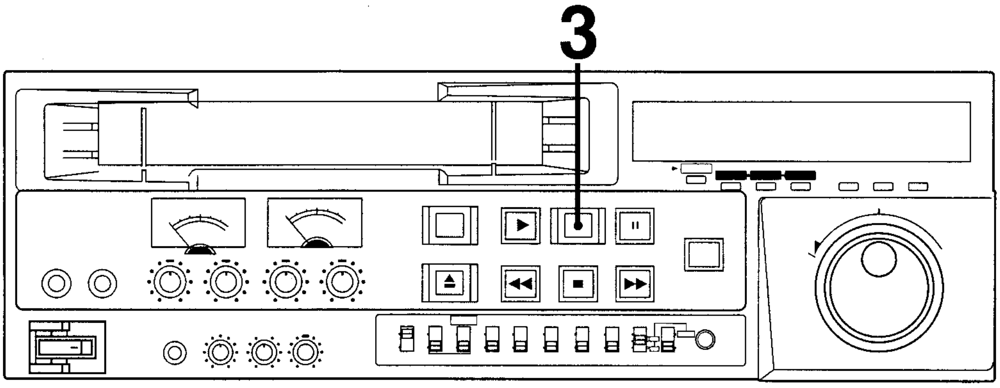
4. After completing TBC adjustments, set the DIAL MODE switch to "SEARCH."



NOTES

Pressing the SEARCH (SET) button when the Menu No. 1 is displayed returns the settings for all items, except for SYSTEM PHASE, to their initial values.
Pressing the SEARCH (SET) button when Menu No. 2 is displayed returns only the setting for that item to its initial value.

Before proceeding with editing (AG-8700 only)



"Editing" consists in taking pre-recorded tapes, combining various material into one part, cutting out the parts which are not desired and connecting only what is required into a single programme. There are two editing modes: assemble and insert. Complete the operations listed below before proceeding with editing.
(CTL editing is the type of editing which is possible when only this unit is used for editing. Time code editing is not possible.)

1. Complete the adjustments and settings (see page E-21 to page E-23).

2. Check whether the FRAME LOCK lamp lights when the following steps are taken.

[1] **Playback the tape which is to be edited.**

[2] **Use the TRACKING control on the source unit so that the TRACKING meter pointer deflects to its maximum.**

[3] **Set the TRACKING control on the editor to its center clickstop position.**

[4] **Set the "FRAME SERVO" (item No. 6005) dial menu function on the editor unit to "ON".**

[5] **Check that the FRAME lamp at the source unit side has lighted.**
■ If the lamp is off, set the "SYNC" (item No. 1001) dial menu function on the editor to "NORMAL".

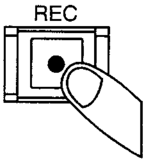
[6] **Check that the FRAME lamp on the editor has lighted.**
■ If the FRAME lamp is off, the edited pictures may be thrown into disarray.

3. The material to be edited can be checked on the TV monitor.

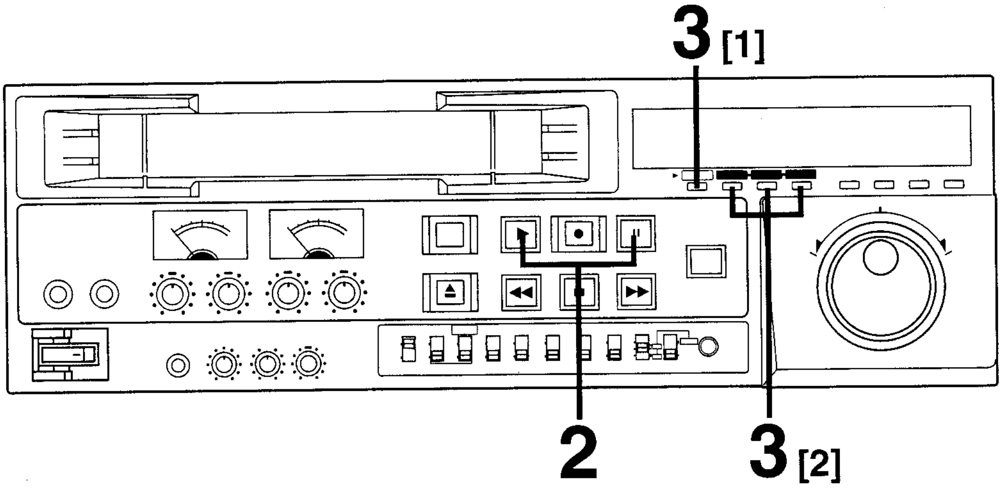
Press the REC button while playback is in progress.

E-E pictures can be viewed while the REC button is depressed.
Signals are not recorded onto the tape.

- E-E pictures cannot be viewed if a cassette has been inserted without its accidental erasure prevention tab.



Selecting the editing mode (AG-8700 only)

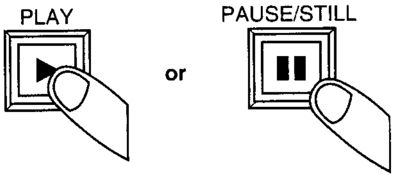


1. Proceed first with the editing preparations.

Refer to "Before proceeding with editing" on the previous page for details.

2. Set the unit to the PLAY or PLAY/STILL mode.

Press the PLAY button or PAUSE button.

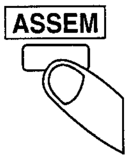


3. Select the editing mode.

[1] **Assemble editing**

Press the ASSEMBLE button.

When it is pressed once, the button lights; when it is pressed again, its light goes off.

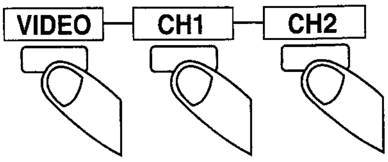


[2] **Insert editing**

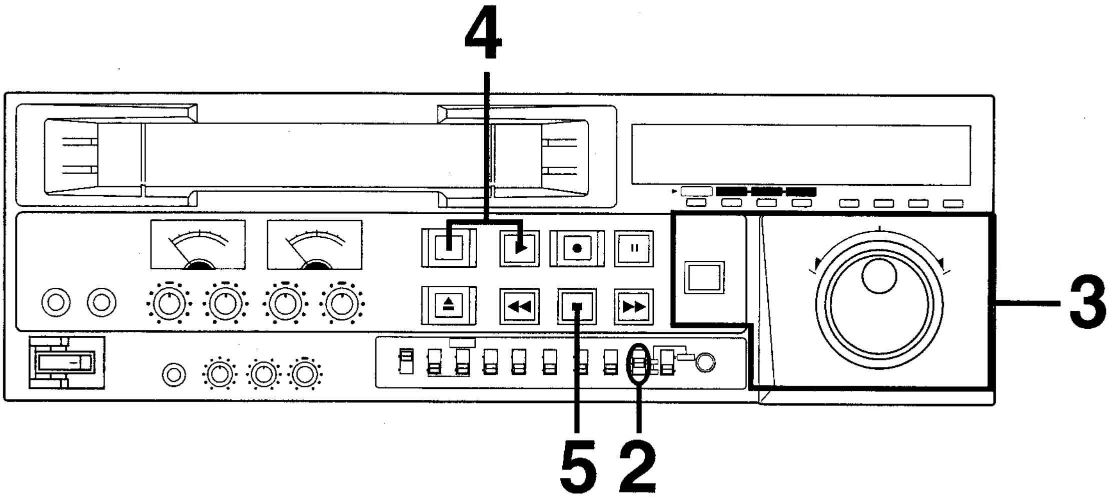
Select the INSERT (VIDEO, AUDIO-CH1, AUDIO-CH2) button corresponding to the editing.

When it is pressed once, the button lights; when it is pressed again, its light goes off.

Insert editing applies only to the signals for the button which has lighted.



Executing manual editing (AG-8700 only)

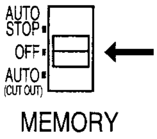


1. Select the editing mode.

Refer to "Selecting the editing mode" on the previous page for details.

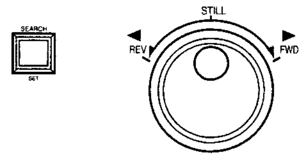
2. Set the MEMORY switch to OFF.

If this switch is at the AUTO (CUT OUT) position, editing will be cut out and stopped when the counter display shows "0:00:00:00."


AUTO STOP
OFF
AUTO (CUT OUT)
MEMORY

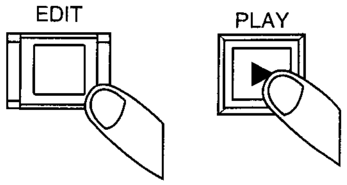
3. Find the edit start point by conducting a search operation and place the unit in the still picture mode.

Refer to page E-19 for details on search operations.

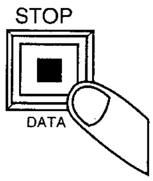

SEARCH
SET
STILL
REV
FWD

4. Press the PLAY button while pressing down the EDIT button.

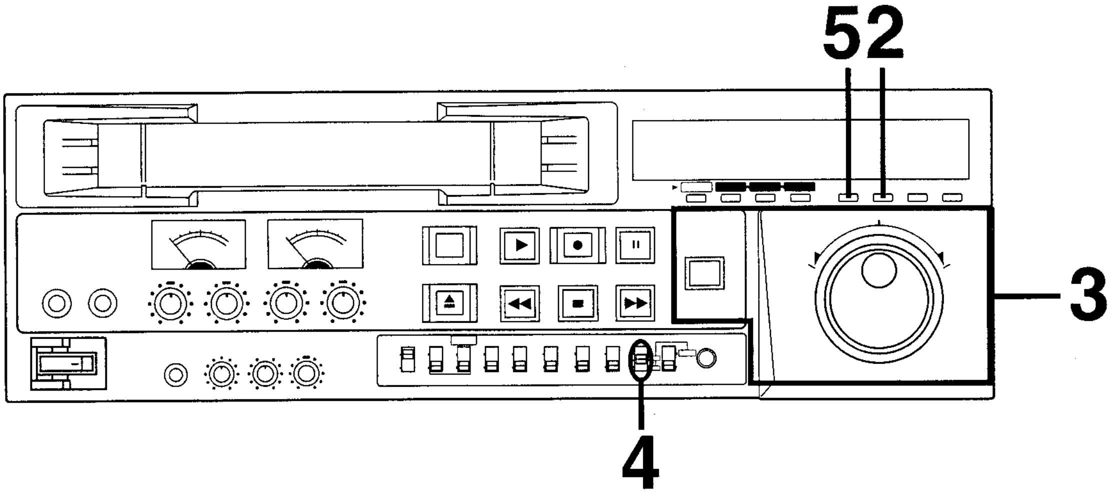
The tape jogs back automatically for about 3 seconds, and editing commences. (When colour framing for about 5 seconds.)



5. Press the STOP button to stop editing.



AUTO CUT OUT editing (simple automatic editing) (AG-8700 only)



1. Select the editing mode.

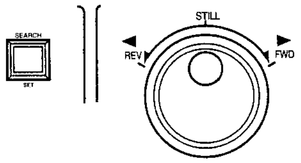
Refer to "Selecting the editing mode" on page E-29 for details.

2. Set to CTL mode with the CTL/TC/UB

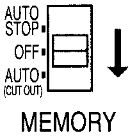
Press the CTL/TC/UB button to switch to the CTL mode.
Each press of the button causes one of the function indicator lamps, "CTL," "TC" or "UB," to light.

3. Find the edit end point by conducting a search operation and place the unit in the still picture mode.

Refer to page E-19 for details on search operations.

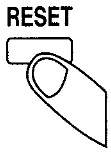

SEARCH
SET
STILL
REV
FWD

4. Set the MEMORY switch to AUTO (CUT OUT).

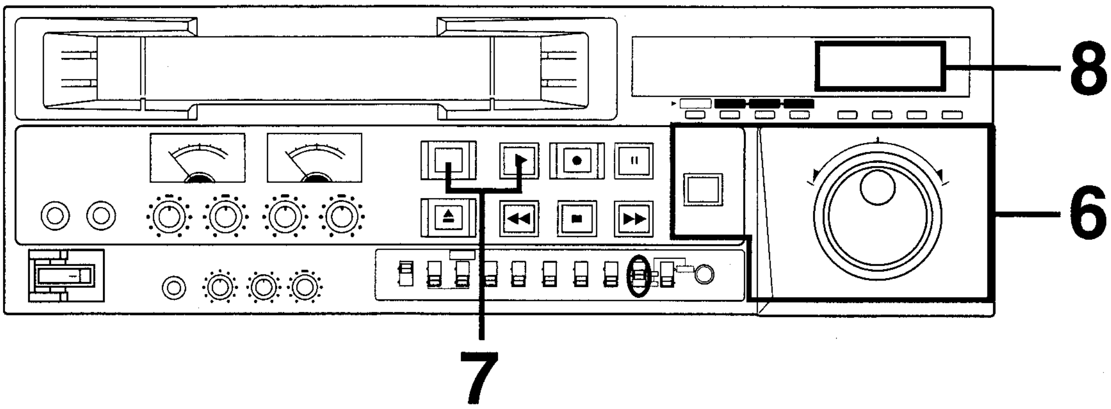

AUTO STOP
OFF
AUTO (CUT OUT)
MEMORY

5. Press the RESET button.

The tape counter is reset to "0:00:00:00." The corresponding place on the tape is the edit end point.

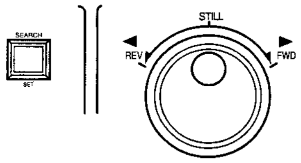


AUTO CUT OUT editing (simple automatic editing) (AG-8700 only)



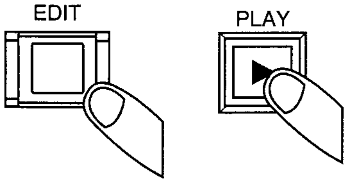
6. Find the edit start point by conducting a search operation and place the unit in the still picture mode.

Refer to page E-19 for details on search operations.


SEARCH
SET
STILL
REV
FWD

7. Press the PLAY button while pressing down the EDIT button.

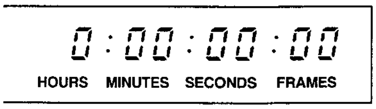
The tape jogs back automatically for about 3 seconds, and editing commences.
(When colour framing for about 5 seconds)



8. End of editing

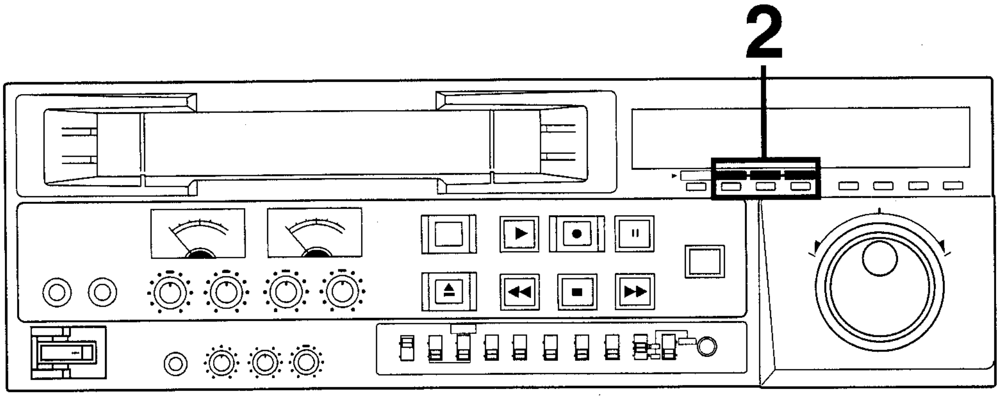
When the tape counter reaches "0:00:00:00," editing will be automatically cut out.

- With insert editing, the tape is rewound automatically in the vicinity of the cut out point.


0:00:00:00
HOURS
MINUTES
SECONDS
FRAMES

Split editing (AG-8700 only)

"Split editing" consists in changing the editing signals during insert editing.



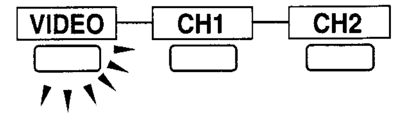
1. Execute insert editing.

See page E-29 for details.

2. Change the editing signals.

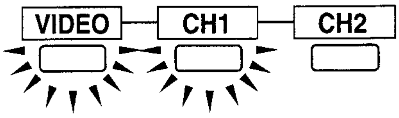
Example of operation:
Adding and inserting the AUDIO CH1 sound during the insert editing of the VIDEO/Hi-Fi signals

[1] **Insert editing of the VIDEO/Hi-Fi signals in progress**



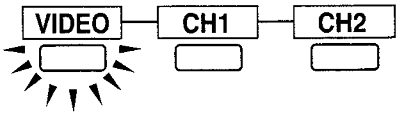
[2] **Press the AUDIO CH1 button.**

The AUDIO CH1 sound is insert-edited.



[3] **Press the AUDIO CH1 button again.**

The insert-editing of the AUDIO CH1 sound is terminated.



NOTES

- The editing mode cannot be switched to assemble editing while insert editing is in progress.
- The editing mode cannot be switched to insert editing while assemble editing is in progress.
- The editing signals cannot be switched during the approximately 3-second long AUTO BACK operation or while the tape is traveling in preparation. (When colour framing for about 5 seconds.)

Precautions for editing (AG-8700 only)

- If the EDIT START button is pressed without the editing mode having been set, the edit mode buttons (ASSEMBLE, VIDEO Hi-Fi, AUDIO CH1, AUDIO CH2) flash 6 times to prompt the operator to select the mode.

- Due to the preroll requirements, a pre-recorded section lasting at least 3 seconds must precede the edit start point. Editing cannot be conducted from the very start of the tape.
  Normally, the controller's preroll time is set to 5 or more seconds. However, when phase-synchronized editing is not to be performed, editing is possible with a 3-second preroll time by using an external sync signal (EXT).

- However, since the external sync signal cannot be used during colour framing editing, editing cannot be conducted if the section lasts only 3 seconds.

Precaution for assemble editing

- Bear in mind that about 2 seconds of the original recording after the edit end point will be erased.

Precautions for insert editing

- The picture will be thrown into disarray at the edit start and end points if insert editing is conducted using the VHS system on a tape which has been recorded using the S-VHS system.
- Since the control signal is used for the editing, make sure that the edit period does not extend beyond the recording made on the tape.

Precautions for EE picture

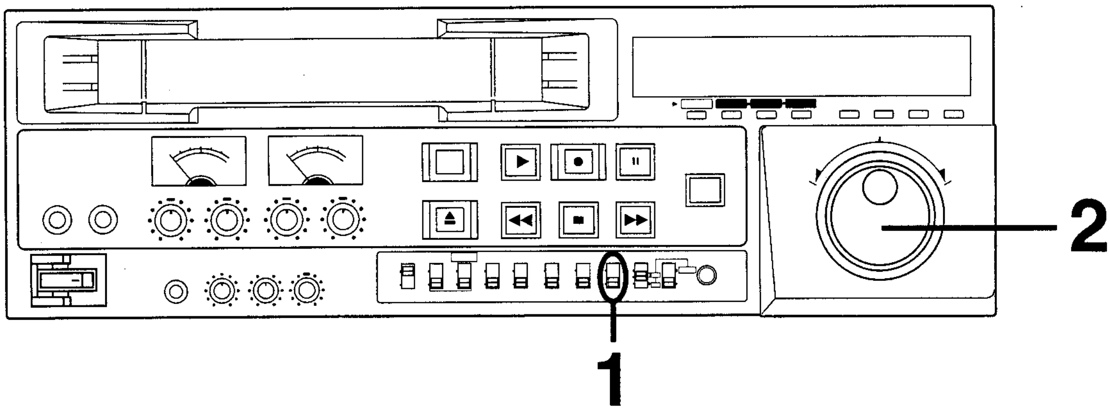
NON V-FLOAT:	The positions of the external sync signal and EE picture's V-SYNC signal tally. The video start line is delayed by an amount equivalent to the time taken by the Time Base Corrector and other processing.
V-FLOAT:	The positions of the external sync signal and EE picture's V-SYNC signal do not tally but the proper relationship between the video start line and V-SYNC signal is maintained.

- At the V-FLOAT position, the EE picture may move slightly in the perpendicular direction.

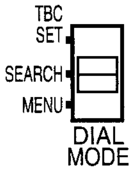
Precautions for REF signals

- Do not use the TV signals as the reference signals. Failure to heed this warning may result in unsuccessful editing since the status of the sync and subcarrier signals cannot be guaranteed in some transmission or radio wave conditions.

Using the dial menu functions

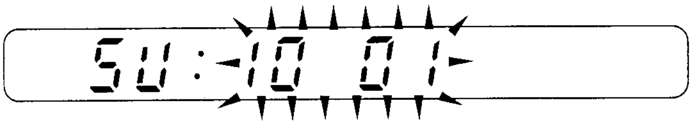


1. Set the DIAL MODE switch to MENU.

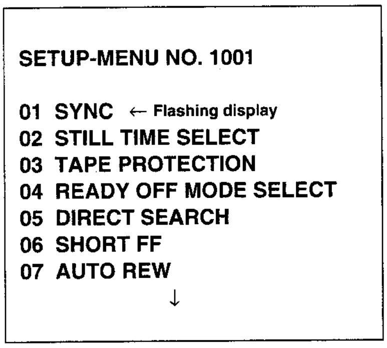


This disables all operations except those relating to the dial menu functions.
(This unit remains in the mode which was established before the dial menu functions were displayed.)

The following appears on the display.



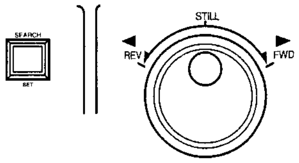
The SETUP-MENU screen appears on the monitor which is connected to the MONITOR VIDEO connector.
The monitor display shows the following.



SETUP-MENU NO. 1001

01 SYNC ← **Flashing display**
02 STILL TIME SELECT
03 TAPE PROTECTION
04 READY OFF MODE SELECT
05 DIRECT SEARCH
06 SHORT FF
07 AUTO REW
↓

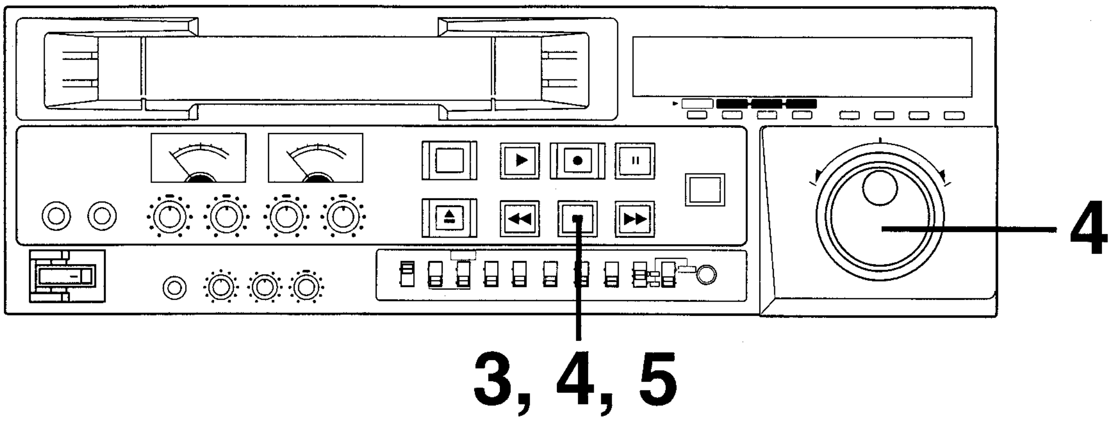
2. Turn the JOG dial and locate the setting item



When it is turned clockwise, the number is successively incremented from 1001 → 1002 → 1003 → etc. Conversely, when it is turned counterclockwise, the number is successively decremented. (The selected item is indicated by flashing.)

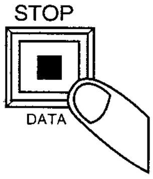
- Press the FF (page up) or REW (page down) button to scroll the menu up or down 1-page units.

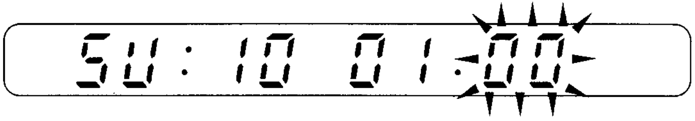
Using the dial menu functions



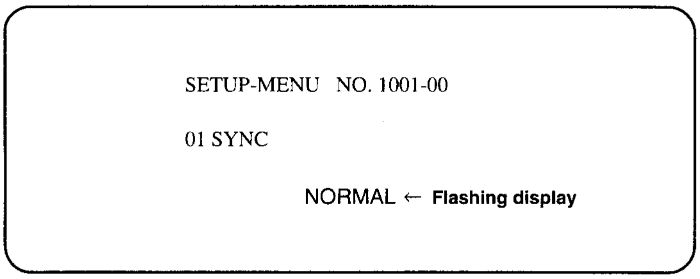
3. Press the STOP button when the desired item is located.

The set-up change screen is displayed while the STOP button is kept depressed.
The following appears on the display.





The monitor display showns the following.



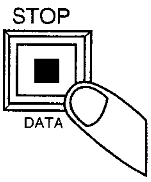
SETUP-MENU NO. 1001-00

01 SYNC

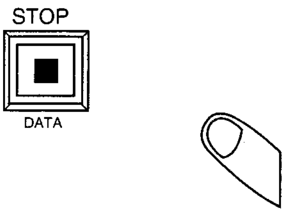
NORMAL ← **Flashing display**

4. Turn the JOG dial while pressing the STOP button.

The flashing display changes. Set the item to the desired value.

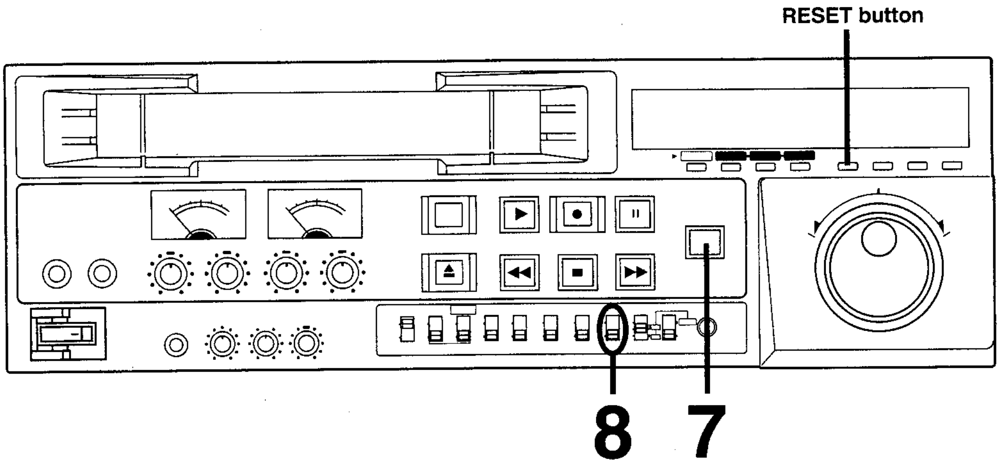


5. Release the STOP button.



NOTE

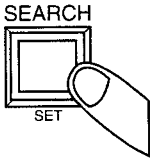
- The setting method differs for item No. 7010 and 7011. (See page E-46).



6. Repeat steps 3 to 5.

Set all the items whose set-up is to be changed to the desired value.

7. Upon completion of the settings, press the SEARCH (SET) button.



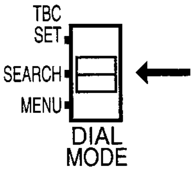
The set-up changes are now entered, and the following message appears.

```
[SETUP-MENU END]
SET TO SEARCH POS
```

■ The display indication returns to the normal counter indication.

8. Return the DIAL MODE switch to SEARCH.

The normal screen is returned.



- If the switch is returned to SEARCH without the SET button having been pressed in step 7, the settings will not be entered.

MEMO

- To return set-up items to their original (factory-set) settings, press the RESET button when the SETUP-MENU is indicated. The following message appears.

```
SETUP-MENU   INIT. SET
OK ?  (PUSH PLAY KEY)
```

The values are restored to their original settings when the PLAY button is pressed.

Set-up menu screen

Operation/function set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
1001	SYNC	00 01	NORMAL EXT	Selects the sync signal. 00: Synchronization with the input video signal. 01: Synchronization with the external sync signal.
1002	STILL TIME SELECT	00 01 02 03	2 SEC 30 SEC 1 MIN 5 MIN	When the unit is in the STOP or STILL mode, this selects the duration of time after which the unit is automatically placed in the TAPE PROTECTION mode in order to protect the tape. The setting is valid from the next time the STOP or STILL mode is activated.
1003	TAPE PROTECTION	00 01	READY OFF AUTO ADVANCE	Selects the operation to be performed in the TAPE PROTECTION mode. The setting is valied from the next time the TAPE PROTECTION mode is activated. 00: The READY OFF mode is established. 01: Each time the duration specified by the STILL TIME SELECT setting elapses, the tape is advanced three frames, and the unit enters the READY OFF mode approximately 30 minutes later.
1004	READY OFF MODE SELECT	00 01 02	DRUM ROTATE DRUM STOP UNLOADING	Selects the operation in the READY OFF mode. 00: Drum rotates due to loose tape. 01: Drum stops due to loose tape. 02: Unloading
1005	DIRECT SEARCH	00 01	OFF ON	Selects the direct search mode. 00: Normal search operation. 01: Unit is automatically placed in the search mode when the search dial is operated even without the search button being pressed.
1006	SHORT FF	00 01	OFF ON	Selects the short FF function. 00: No short FF operation. 01: Short FF operation is conducted at tape start.
1007	AUTO REW	00 01	OFF ON	Selects the auto rewind function. 00: Stops at tape end. 01: When the tape reaches the end, it is automatically rewound to the start and the unit stops operating.
1008	AUTO BACK **(AG-8700 only)**	00 01	OFF ON	Sets the auto back space recording function. 00: Normal recording/pause mode 01: When the REC button is pressed in the PLAY/STILL mode or if the PAUSE/STILL button is pressed during recording, the tape is rewound for about 3 seconds and the unit is placed in the standby mode. When the PAUSE/STILL button is then pressed, the unit conducts playback for 3 seconds and then recording commences.

[The shading denotes the initial setting.]

Video set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
2001	IMAGE MODE SELECT	00 01	NORMAL EDIT	00: Select this setting for normal operation. The noise canceler and CAC function operate for both the luminance and chrominance signals. 01: Select for editing.
2002	VIDEO MODE	00 01 02	COLOUR AUTO B/W	Selects the colour mode of the input video signal. 00: Forces colour mode operation. 01: Automatically detects color mode by the input signal. 02: Forces black and white mode operation.
2003	NOTCH FILTER	00 01	OFF ON	Set the notch filter 00: Notch filter OFF. 01: Notch filter ON. (This switch has nothing to do with recording for AG-8700.)
2004	PB/EE SELECT	00 01	PB/EE EE	Sets the image that appears on the screen when the unit is in the STOP mode. 00: The playback image is output. 01: The EE image is output.
2005	WIDE MODE SELECT	00 01 02	AUTO WIDE NORMAL	Sets the unit's operation for WIDE IDs. 00: Records a WIDE ID on the tape when wide data is encountered in the input signal during recording. During playback, wide data is added to the Y and C output signals if there is a WIDE ID on the tape. 01: Appends wide data to the Y/C output signal and records a WIDE ID on the tape during recording. 02: No wide data is accepted.
2006	S-VHS REC **(AG-8700 only)**	00 01	OFF ON	Selects the recording format. 00: Recording are made in VHS format. 01: Recording are made in S-VHS format. (With an S-VHS tape only)
2007	HSW BLANKING SELECT	00 01	OFF ON	Specifies whether masking processing is to be performed in the switching area during playback.
2008	V BLANKING SELECT	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON	Specifies for each individual line whether to perform masking processing in the input signal vertical blanking interval during playback. 7 : 7_LINE 20 : 20_LINE 8 : 8_LINE 21 : 21_LINE 9 : 9_LINE 22 : 22_LINE 10 : 10_LINE 11 : 11_LINE 12 : 12_LINE 13 : 13_LINE 14 : 14_LINE 15 : 15_LINE 16 : 16_LINE 17 : 17_LINE 18 : 18_LINE 19 : 19_LINE

[The shading denotes the initial setting.]

Set-up menu screen (cont.)

Time code set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
2010	DOC SELECT	00 01	3LINE-3D 3D ONLY	Selects the DOC mode. 00: 2-dimensional DOC up to 3H; 3-dimensional DOC for 4H and above. 01: 3-dimensional DOC (field DOC)
2011	FREEZE AT READY OFF	00 01	OFF ON	Selects whether or not to freeze the screen when READY OFF takes place. 00: Do not freeze. 01: Freeze.
2012	FREEZE AT STOP	00 01	OFF ON	Selects whether or not to freeze the screen when switching from PLAY to STOP. 00: Do not freeze. 01: Freeze.
2013	Y-DNR LEVEL SELECT	00 01 02	OFF LEVEL 1 LEVEL 2	Selects the DNR level for the luminance signal. 00: Performs no DNR processing on the luminance signal. 01: Performs DNR level 1 processing on the luminance signal. 02: Performs DNR level 2 processing on the luminance signal.
2014	C-DNR LEVEL SELECT	00 01 02	OFF LEVEL 1 LEVEL 2	Selects the DNR level for the chrominace signal. 00: Performs no DNR processing on the chrominance signal. 01: Performs DNR level 1 processing on the chrominance signal. 02: Performs DNR level 2 processing on the chrominance signal.
2015	TBC REMOTE	00 01	LOCAL REMOTE	Selects the TBC adjustment mode. 00: Adjustment is performed from the TBC SET. 01: Adjustment is performed by remote control from outside.
2019	TBC CONTROL SELECT	00 01	V-FLOAT NO V-FLOAT	Used to float the internal SYNC to enable H to be aligned with the reference signal and V to be aligned with the input signal. 00: Floating 01: Not floating

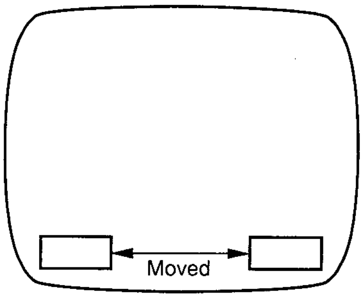
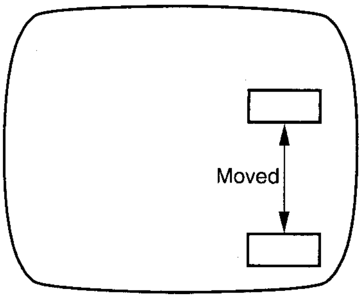
[The shading denotes the initial setting.]

Audio set-up item

Item		Set-up value		Description of function
No.	**Superimpose display**	**No.**	**Superimpose display**	
3001	DOLBY NR	00 01	OFF ON	Sets the Dolby NR system. 00: Dolby NR system OFF. 01: Dolby NR system ON.
3002	AUDIO LIMITER **(AG-8700 only)**	00 01	OFF ON	Set the audio limiter function. 00: Dynamic volume is recorded in its original form. 01: Automatic volume limiter circuit operates to enable sound to be recorded without distortion even when the input level reaches an excessively high level at moments during recording. (This function works for normal sound only.)
3003	HI-FI REC **(AG-8700 only)**	00 01	OFF ON	Selects the Hi-Fi recording setting. 00: Only normal audio is recorded; no Hi-Fi audio is recorded. 01: Both Hi-Fi and normal audio are recorded.
3004	HI-FI INPUT SELECT **(AG-8700 only)**	00 01	HI-FI INPUT NORMAL INPUT	Selects input connectors during Hi-Fi sound recording. 00: Hi-Fi audio input connectors 01: NORM/Hi-Fi audio input connectors
3005	CH1 REC **(AG-8700 only)**	00 01	CH1 MIX	Selects the input during normal sound CH1 recording. 00: Records CH1 sound. 01: Records mixed CH1/CH2 sound.
3006	AUDIO CH2	00 01	AUDIO LTC	Switches normal audio on or off in CH2. 00: CH2 is used for audio recording. 01: CH2 is used as the LTC track.

[The shading denotes the initial setting.]

Superimpose set-up items

Item		Set-up value		Description of function
No.	**Superimpose display**	**No.**	**Superimpose display**	
4001	CHARACTER BACKGROUND	00 01	Selection is made while opserving superimpose display.	Selects background mode for VIDEO MONITOR superimpose display. 00: Black display = LTCR 00:00:00:00 01: Edge display = LTCR 00:00:00:00
4002	CHARACTER H-POSITION	00 01 02 03 04 05 06 07	Selection is made while opserving superimpose display.	Selects horizontal position for VIDEO MONITOR superimpose display; moves characters to right as No. is increased. 
4003	CHARACTER V-POSITION	00 01 02 03 04 05 06 07	Selection is made while opserving superimpose display.	Selects vertical position for VIDEO MONITOR superimpose display; moves characters to down as No. is increased. 
4004	STATUS SUPER	00 01	OFF ON	Selects whether VTR operation mode is to be indicated as a superimposed display. 00: VTR operation not displayed. 01: VTR operation displayed.

[The shading denotes the initial setting.]

Remote set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
5001	EJECT/STOP FNCTN REM.	00 01	POSSIBLE NOT POSSIBLE	Enables or disables operation of panel EJECT/STOP button in remote mode. 00: Enables operation. 01: Disables operation.
5002	9P DEVICE TYPE SELECT	00 01	OTHER TYPES S-VHS ID	Selects ID code returned to 9P device type request command. 00: When connecting a controller not made by Panasonic. 01: When connecting a controller made by Panasonic.
5003	9P FF/REW MODE	00 01	LOADING UNLOADING	Selects the unit's operation in response to FF and REW commands. 00: FF or REW are excuted with the tape loaded. 01: FF or REW are excuted after the tape is unloaded.

[The shading denotes the initial setting.]

Set-up menu screen (cont.)

Editing set-up values

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
6002	AUTO PREROLL ENTRY	00 01	NOT ENTERED ENTERED	Selects whether to enter IN point by preroll command when IN point has not been entered. 00: Not entered 01: Entered
6003	PREROLL TIME	00 01 ⋮ 05 ⋮ 10 ⋮ 15	0 SEC 1 SEC ⋮ 5 SEC ⋮ 10 SEC ⋮ 15 SEC	Selects preroll time for 9P control from 0 to 15 sec.
6004	PLAY DELAY	00 01 ⋮ 05 ⋮ 10 ⋮ 15	0 FRAME 1 FRAME ⋮ 5 FRAME ⋮ 10 FRAME ⋮ 15 FRAME	Selects play delay time during play start from 0 to 15 frames.
6005	FRAME SERVO	00 01 02	OFF ON COLOUR FRAME	Sets framing mode 00: Set to this position when signals not in conformity with standard signals are supplied. Framing is not conducted. 01: Framing is conducted if set to this position when signals in conformity with standard signals are supplied. 02: 4 sequence colour framing mode is activated.

[The shading denotes the initial setting.]

- At the SYNC EXT setting (item No. 1001), the COLOUR FRAME function does not operate, and only framing is conducted.
- Do not synchronize the phase at the source machine during colour framing editing. (Do this at the editor.)

Time code set-up items

Item		Set-up value		Description of function
No.	**Superimpose display**	**No.**	**Superimpose display**	
7001	TC INT/EXT SELECT **(AG-8700 only)**	00 01	INT EXT	Set this switch to EXT if an external time code connection has been made.
7002	TC MODE **(AG-8700 only)**	00 01 02	REGEN REC RUN FREE RUN	Selects the TC mode. 00: Operates to maintain continuity of the data on the tape. 01: Uses an internal preset value to advance the tape only during recording. 02: Uses an internal preset value to advance the tape all the time.
7003	VITC REC **(AG-8700 only)**	00 01	OFF ON	Selects whether or not to use VITC recording. 00: Don't use VITC recording. 01: Use VITC recording.
7004	VITC POSITION SEL-1 **(AG-8700 only)**	00 01 : 04 05 06 : 15	7 LINE 8 LINE : 11 LINE 12 LINE 13 LINE : 22 LINE	Selects VITC signal insertion line. *Same line as No. 7005 cannot be selected. (Avoid selecting an adjoining line.)
7005	VITC POSITION SEL-2 **(AG-8700 only)**	00 01 : 05 06 : 15	7 LINE 8 LINE : 12 LINE 13 LINE : 22 LINE	Selects VITC signal insertion line. *Same line as No. 7004 cannot be selected. (Avoid selecting an adjoining line.) **Note:** Do not select line 10 or 11 if the TBC facility is to be used at ON. Skew may make it impossible to read the VITC. There is no effect in the BYPASS mode.
7006	VITC REGEN **(AG-8700 only)**	00 01	PLAY PLAY + REC	Selects when to use VITC REGEN processing. 00: Perform REGEN processing during playback. 01: Perform REGEN processing during playback and when recording audio.
7007	TCG REGEN MODE **(AG-8700 only)**	00 01 02	TC∗UB TC UB	Selects regeneration signal when TCG is in REGEN mode. 00: Regeneration for time code and user's bit. 01: Regeneration for time code only. 02: Regeneration for user's bit only.
7008	TC OUT SIGNAL REGEN	00 01	OFF TAPE REGEN	Sets the waveform to be output from the TIME CODE OUT connector when in the INTERNAL REGEN mode. 00: Outputs the playback signal without modification. 01: Outputs the playback signal with REGEN processing during SERVO LOCK only.

[The shading denotes the initial setting.]

Set-up menu screen (cont.)

Time code set-up items

Item		Set-up value		Description of function
No.	**Superimpose display**	**No.**	**Superimpose display**	
7009	UB BINARY GROUP FLAG **(AG-8700 only)**	00 01 02 03	NOT SPECIFIED ISO CHARACTER UNASSIGNED 1 UNASSIGNED 2	Selects the way the user's bit is used using TCG generation. 00: Not character set specified. 01: 8-bit character set conforming to ISO646 and ISO2022. 02: Undefined. 03: Undefined.
7010	TIME CODE PRESET **(AG-8700 only)**	00	TCG preset value is set while observing the screen.	Sets preset value of time code generator. 00:00:00:00~23:59:59:24
7011	U-BIT PRESET **(AG-8700 only)**	00	UBG preset value is set while observing the screen.	Sets preset value of user's bit. 00 00 00 00~FF FF FF FF
7012	EXT VITC READ **(AG-8700 only)**	00 01	REC EJECT+STOP+REC	Selects the mode for reading the VITC of the input video signal. 00: VITC is read only during recording. 01: VITC is read in the eject, stop or recording mode.
7013	9P VITC TO DUMMY LTC	00 01	OFF ON	Selects the response from 9P to CURRENT TIME SENSE when CH2 is set to "AUDIO." 00: REQUEST TIME DATA MISSING is returned. 01: VITC data is returned as LTC.
7014	9P INTERPOLATED VITC	00 01	HOLD VITC INTERPOLATED LTC	Selects the response method used to return the VITC CTL interpolation value from 9P in response to CURRENT TIME SENSE. 00: HOLD_VITC (74H 16H) is returned. 01: INTERPOLATED LTC (74H 14H) is returned.

7010/7011 setting method

1. Press the STOP button at item No. 7010 or 7011.
2. Turn the JOG dial and move the display to be changed (flashing display).
3. The value will change for item No. 7010 and 7011 when the JOG dial is turned while the STOP button is kept pressed.
4. Press the SEARCH (SET) button upon completion of the settings.

- The present time, code value is displayed as the initial value for item No. 7010 and 7011. When the RESET button is pressed, it will be reset to "00:00:00:00."
- Operation is not possible for item No. 7010 and 7011 unless the "TC INT/EXT SELECT" (item No. 7001) dial menu function set to "INT" and "TC MODE" (item No. 7002) dial menu function is set to "REC RUN" or "FREE RUN."
- Once the setting mode i entered for item No. 7010 or 7011, operation cannot be returned to the setting mode of any other item. When the SEARCH (SET) button is pressed upon completion of the setting, the change made to the previous setting for the item will be entered. On the other hand, when the DIAL MODE switch is set to SEARCH without pressing the SEARCH (SET) button first, all the settings including the one which was made previously will be canceled.

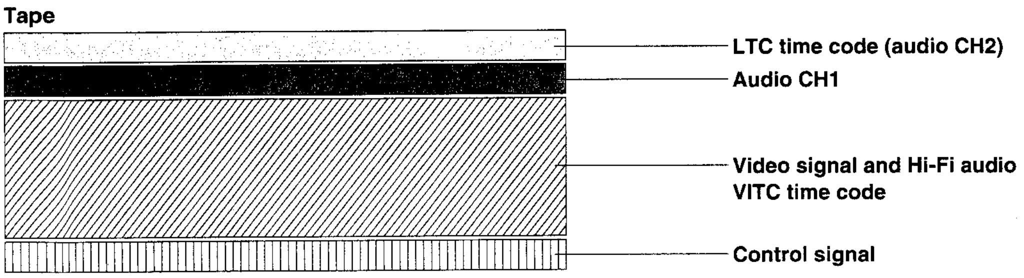
Time Code/user's bit

Time code

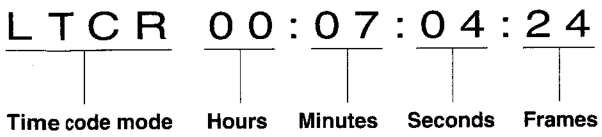
The "time code," which is based on the time code signal generated by the time code signal generator, recorded on tape, and read out by the time code signal reader, is used to display absolute positions on the tape in units of "hours:minutes:seconds:frames." Knowing an absolute position makes it possible to conduct editing accurately and search operations speedily.

There are two types of time codes: LTC (longitudinal time code) and VITC (vertical interval time code). The LTC is recorded on the tape's normal audio CH2 track. It is used to record the position information on the tape and user's bit information.

The VITC is recorded in the vertical blanking period of the video signals so that even without using the normal audio CH2 track, it is used to record the information regarding position on the tape and user's bit information.


Tape
LTC time code (audio CH2)
Audio CH1
Video signal and Hi-Fi audio
VITC time code
Control signal

The time code itself is indicated on the display and superimposed on the TV monitor.


LTCR 00:07:04:24
Time code mode
Hours
Minutes
Seconds
Frames

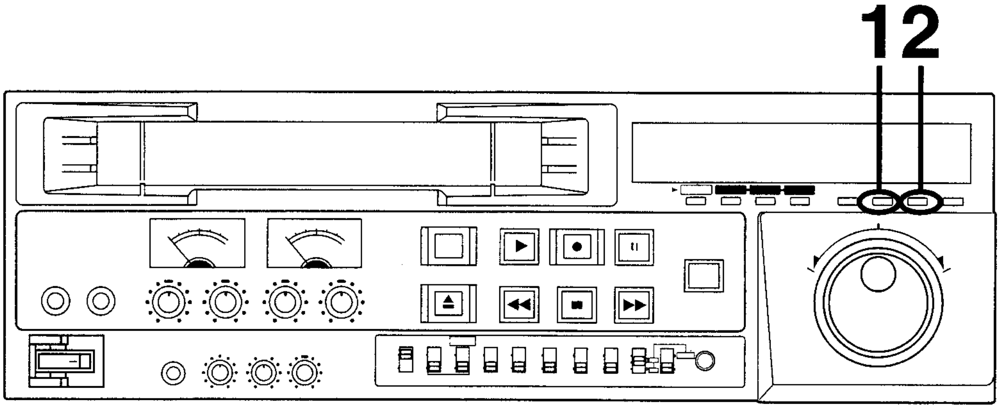
User's bit

Among the time code signals, the "user's bit" is an information released to the user. It is used to record the operator number or real time.

LUBR AB CD EF 88

A total of 16 characters—numbers 0 to 9, A, B, C, D, E and F—can be used for the user's bit.
(The characters "B" and "D" are displayed in small letters in the counter display.)

Setting the time code switches



1. Setting the CTL/TC/UB button

This selects the time code mode which is indicated on the display.

CTL: The CTL (control) signal value is indicated.
TC: The time code value is indicated.
UB: The user's bit value is indicated.

2. Setting the LTC/AUTO/VITC button

This selects the read out mode of the time code.

LTC: The LTC time code signal recorded on linear track CH2 is read out.
AUTO: AUTO: Priority is given to reading out the VITC signal when in the slow mode, and to reading out the LTC signal at all other times.
VITC: VITC: Only the VITC signal is read out.

- Interpolation is provided by the CTL signal when it is no longer possible to read out the time code signal in any of the modes.

LTC/AUTO/VITC

3. Settings with the dial menu functions

The time code set-up can be performed using dial menu function item No. 7001 to 7009. (See page E-45, E-46.)
The preset values for the time code and user's bit can be set using dial menu function item No. 7010 and 7011.

Recording the time code/user's bit

1. Recording the optional (preset) time code/user's bit

[1] **Set the "TC INT/EXT SELECT" (item No. 7001) dial menu function to "INT." (See page E-45.)**

[2] **Set the "TC MODE" (item No. 7002) dial menu function to "REC RUN." (See page E-45.)**

[3] **Set the preset value using dial menu function item No. 7010 or No. 7011. (See page E-46.)**

- Set the "AUDIO CH2" (item No. 3006) dial menu function to "AUDIO" when the LTC time code is not to be recorded. (See page E-41.)
- Set the "VITC REC" (item No. 7003) dial menu function to "OFF" when the VITC time code is not to be recorded. (See page E-45.)

2. Recording the continuous time code on the editing tape

[1] **Set the "TC INT/EXT SELECT" (item No. 7001) dial menu function to "INT." (See page E-45.)**

[2] **Set the "TC MODE" (item No. 7002) dial menu function to "REGEN." (See page E-45.)**

- Set the "AUDIO CH2" (item No. 3006) dial menu function to "AUDIO" when the LTC time code is not to be recorded. (See page E-41.)
- Set the "VITC REC" (item No. 7003) dial menu function to "OFF" when the VITC time code is not to be recorded. (See page E-45.)

3. Dubbing the LTC signal recorded on the tape (Dubbing the LTC signal with the settings below prevents deterioration in the LTC time code signal.)

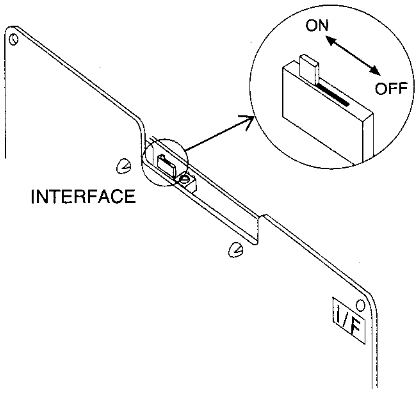
[1] **Set to "LTC" mode with the LTC/AUTO/VITC button. (See page E-48.)**

[2] **Set to "TC" mode with the CTL/TC/UB button. (See page E-48.)**

[3] **Set the "TC MODE" (item No. 7002) dial menu function to "REGEN." (See page E-45.)**

[4] **Set the "TC OUT SIGNAL REGEN" (item No. 7008) dial menu function to "REGEN." (See page E-45.)**

Setting the time code board switch



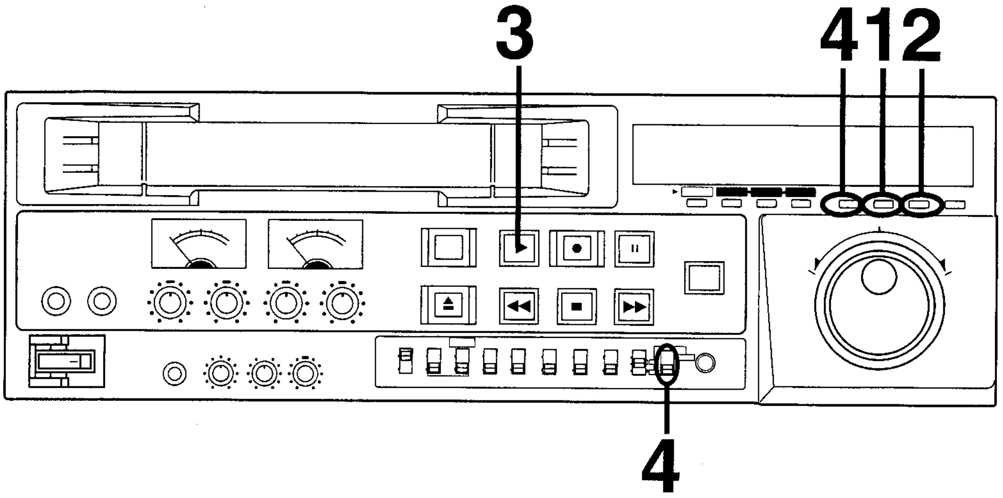
ALL DEL switch

This selects the lines, where the VITC can be inserted for the input video signals, which are to be deleted during VITC recording.

ON (factory setting): All the lines (7 to 22) where the VITC can be inserted for the input video signals are deleted.

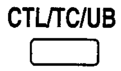
OFF : Only two lines where the VITC is inserted for the input video signals are deleted.

Playing back the time code/user's bit



1. Set to TC or UB mode with the CTL/TC/UB button.

TC: For time code playback.
UB: For user's bit playback.



2. Set the LTC/AUTO/VITC button.

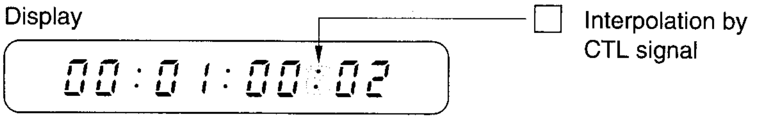
LTC: The LTC time code signal recorded on linear track CH2 is read out.
AUTO: Priority is given to reading out the VITC signal when in the slow mode, and to reading out the LTC signal at all other times.
VITC: Only the VITC signal is read out.

- Interpolation is provided by the CTL signal when it is no longer possible to read out the time code signal in any of the modes.

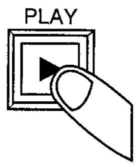
LTC/AUTO/VITC

3. Press the PLAY button.

Display



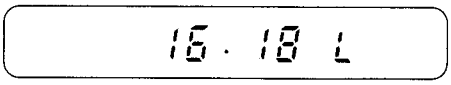
☐ Interpolation by CTL signal



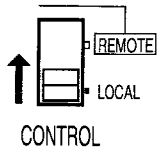
4. To check the VITC insertion lines during playing back.

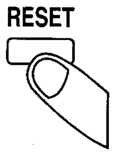
Set the CONTROL Switch to "REMOTE" and press the RESET button.

Display



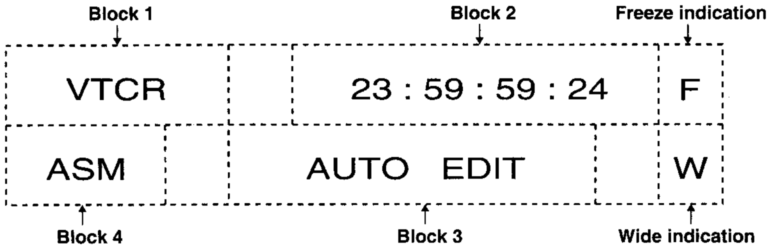
(When VITC is inserted in line 16 and 18.)





Superimpose screen

When the ON SCREEN switch in the front pocket is set to ON, the superimpose signal listed below are added to the signals output from the VIDEO MONITOR connector.
The superimpose display does not appear in the dial menu mode.



Block 1

The time code modes are abbreviated on the display using the following characters.

CTL:	Control signal
TCG:	Time code generator value
LTCR:	Playback value of LTC time code
VTCR:	Playback value of VITC time code
ETCG:	External time code generator value
LUBG:	Generator value of LTC user's bit
VUBG:	Generator value of VITC user's bit
LUBR:	Playback value of LTC user's bit
VUBR:	Playback value of VITC user's bit
EUBG:	Generator value of external user's bit

Block 2

The time code value is indicated in hours, minutes, seconds and frames, each with 2 digits.
(In the UB mode, no colon is displayed.)

12:34:43:21

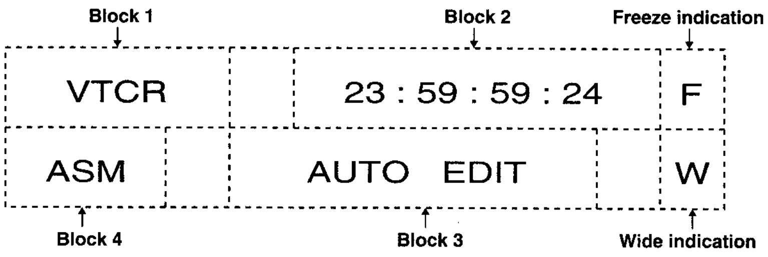
[ ] = Time code reading disabled

Block 3

The VTR operating modes are indicated as below.

EJECT (eject)
PLAY (playback)
REC (recording)
STOP (stop)
FF (fast forward)
REW (rewind)
STILL (pause)
EDIT (editing)
EPLY (edit play)
READY-OFF (ready mode release)

Superimpose screen (cont.)


Block 1
Block 2
Freeze indication
VTCR
23 : 59 : 59 : 24
F
ASM
AUTO EDIT
W
Block 4
Block 3
Wide indication

Block 3 *(cont.)*

The search is also displayed.

JOG XXXXX (jog)
SHTL XXXXX (shuttle)

"xxxxx" denotes the search speed.

−1/25 Tape speed (in this case, search proceeds in the reverse direction at 1/25x normal playback speed)
↑
***: Forward direction/-:reverse direction**

When the recorded part comes to an end during playback, the lamp below flashes and the image is frozen:
FREEZE

Block 4 (AG-8700 only)

The edit modes are indicated as follows.

ASM (Assemble)
V12 (Insert): VIDEO, AUDIO-CH1, AUDIO-CH2

NOTE

- The block 3, 4 display and wide indication appears only when the "STATUS SUPER" dial menu function (item No. 4004) is set to ON.

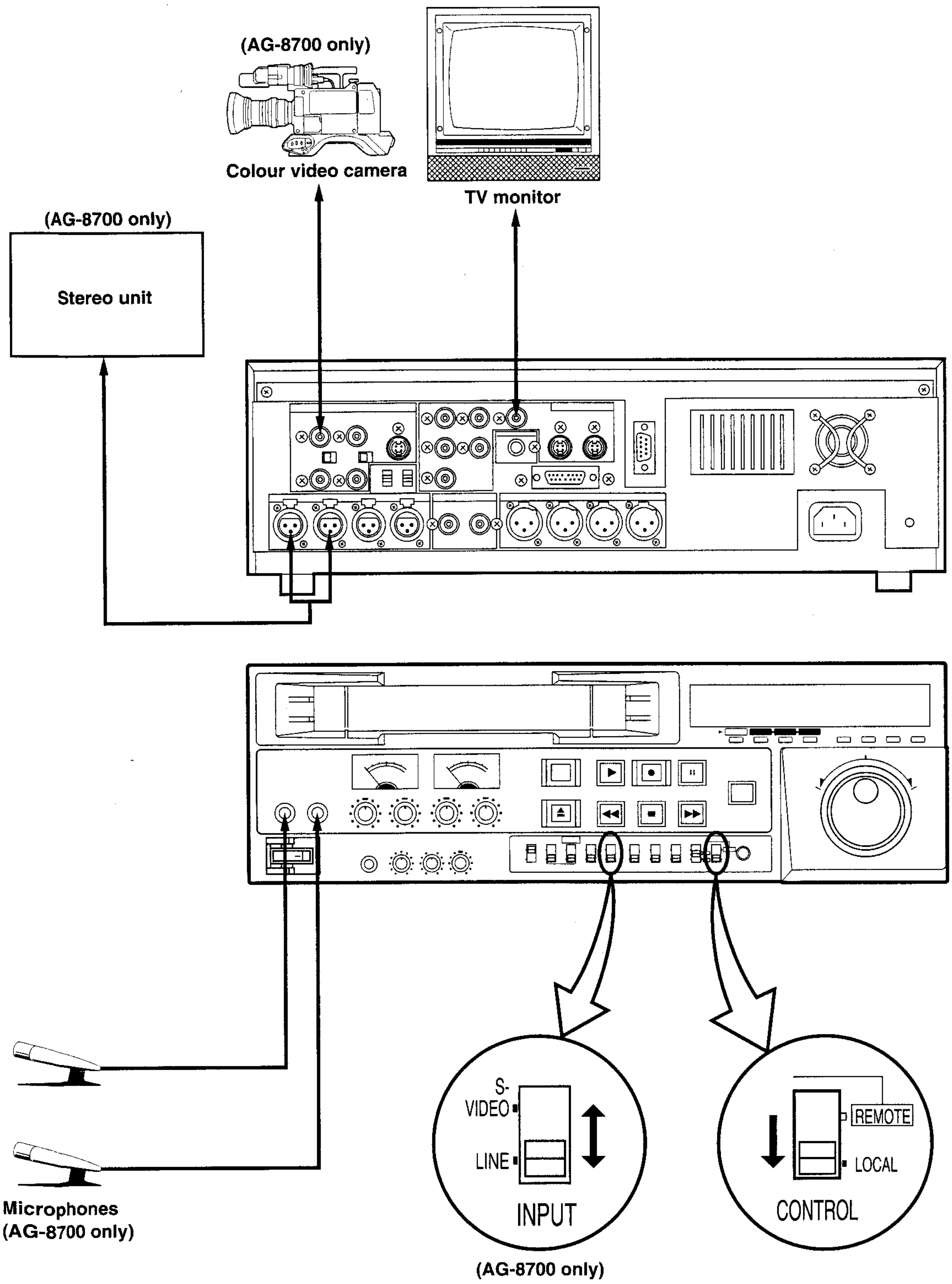
REFERENCE

- The superimpose display characters can be changed using the dial menu function (item No. 4001). (See page E-42.)
- The superimpose display position can be moved using the dial menu function (item No. 4002, 4003). (See page E-42.)

Connections for basic system

These connections are for editing using one S-VHS VTR.

- Set the CONTROL switch to LOCAL.
- Set the “SYNC” (item No. 1001) dial menu function to “NORM”.
- Set the “AUDIO CH2” (item No. 3006) dial menu function to “AUDIO”.
  (Set to LTC for editing with the LTC time code signal.)


(AG-8700 only)
Colour video camera
TV monitor
(AG-8700 only)
Stereo unit
S-VIDEO
LINE
INPUT
REMOTE
LOCAL
CONTROL
Microphones
(AG-8700 only)
(AG-8700 only)

Dubbing connections

These connections are for editing using two S-VHS VTRs.
The ways to prevent deterioration in the picture quality caused by the dubbing connections are ranked as follows in terms of their effectiveness.

1. Use of S-VIDEO cable
2. Use of BNC cable

- Set the CONTROL switch to LOCAL.
- Set the "AUDIO CH2" (item No. 3006) dial menu function to "AUDIO". (Set this to "TIME CODE" when dubbing LTC time code signals.)
- Set the "IMAGE MODE SELECT" (item No. 2001) dial menu function to "EDIT".

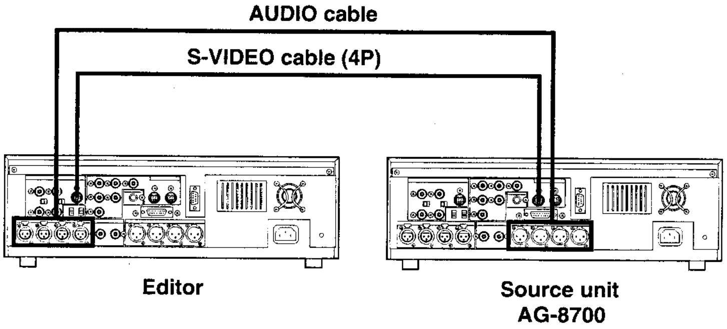
1. Connections using S-VIDEO cable (4P)

Main setting (source unit)

- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE" (item No. 2001) to "EDIT"

Main setting (editor)

- INPUT switch to "S-VIDEO"
- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE MODE SELECT" (item No. 2001) to "EDIT"



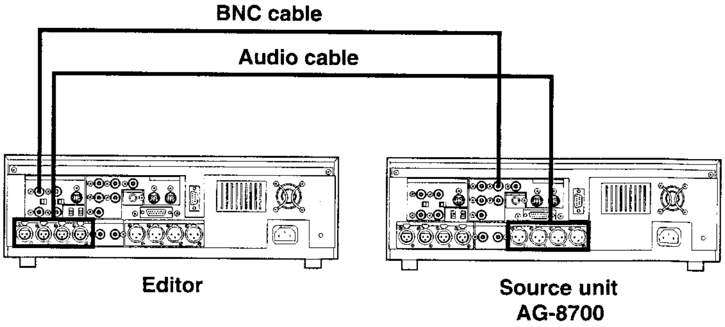
2. Connections using BNC cable.

Main setting (source unit)

- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE MODE SELECT" (item No. 2001) to "EDIT"

Main setting (editor)

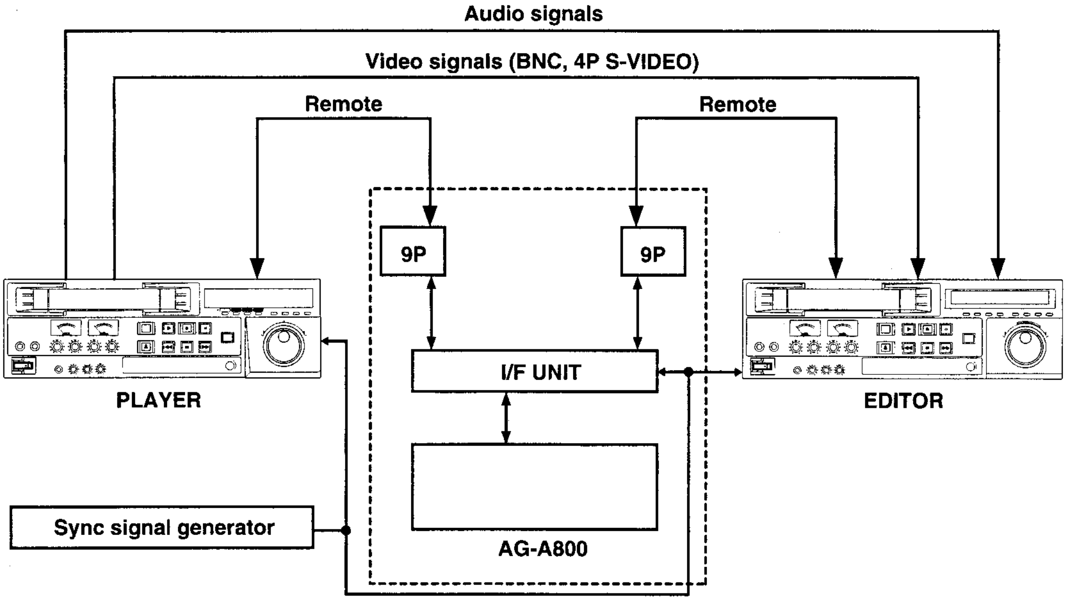
- INPUT switch to "LINE"
- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE MODE SELECT" (item No. 2001) to "EDIT"



System using 9P editing controller

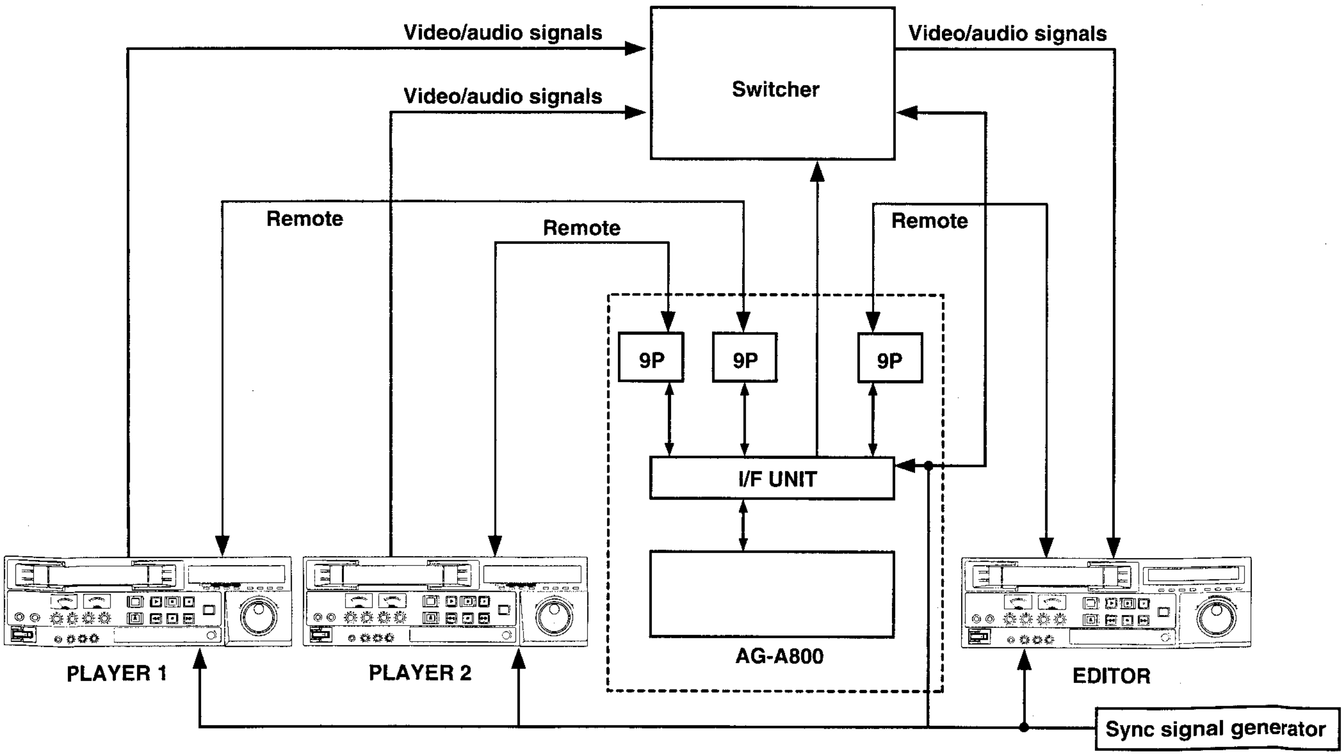
Editing with a high degree of accuracy and with almost no editing errors can be done and using the 9P editing controller (optional accessory) to conduct time code editing.
This unit contains its own time base corrector (TBC) and so alleviates the need for time-consuming TBC wiring during system editing.

System composed of one editor and one player


Audio signals
Video signals (BNC, 4P S-VIDEO)
Remote
Remote
9P
9P
I/F UNIT
PLAYER
EDITOR
Sync signal generator
AG-A800

System composed of one editor and two players

(enabling AB roll editing)


Video/audio signals
Video/audio signals
Video/audio signals
Switcher
Remote
Remote
Remote
9P
9P
9P
I/F UNIT
AG-A800
PLAYER 1
PLAYER 2
EDITOR
Sync signal generator

System using 9P editing controller (cont.)

1. Connect the editing controller

- Connect it to REMOTE (9P) connector.
- Connect the audio signals.
- Connect the video signals.
- Connect the REF signals.

2. Set 9P DEVICE TYPE SELECT (item No. 5002).

Use the dial menu function to set this.
OTHER TYPES (set-up No. 00): When using a controller not made by Panasonic
S-VHS ID (set-up No. 01): When using a controller made by Panasonic

- Set to OTHER TYPES (SETUP NO. 00) when the AG-A800 (Ver. 2.00–2.52) is used.

3. Set the CONTROL switch to REMOTE.

4. Operate the unit from the editing controller.

For details on how to operate the editing controller, reference should be made to the Instruction Manual accompanying the controller.

- Set the editing timing to 8 frames when the AG-A800 (Ver. 1.00–2.52) is used.
- Set DIP switch 2-3 on the control panel to ON when the AG-A800 (Ver. 2.00–2.52) is used.

NOTES

- Set the editing timing for the 9P editing controller to 8 frames.
- When using an editing controller provided with a colour framing function, do not set the colour framing mode.
- Although, for insert editing using the 9P editing system, it is possible to set the editing channels independently for the time code signals and audio signals, this particular unit uses linear track CH2 for both the time code (LTC) and normal audio CH2. For this reason, the "AUDIO CH2" dial menu function (item No. 3006) must be set properly in accordance with the signals which are to be edited.
- For time code editing, set the "TC INT/EXT SELECT" dial menu function (item No. 7001) to "INT".
- When the 9P editing system is used, the "9P FF/REW MODE" dial menu function (item No. 5003) can be used to select full loading FF/REW and unloading FF/REW.
- Set the dial menu function (item No. 1003) "TAPE PROTECTION" to "AUTO ADVANCE" only when editing lengthy scenes during AB roll editing.
- For colour framing editing, be absolutely sure to set the SYNC selector on the editor to the NORMAL position. If, in a system in which the TBC is not connected to the player, the player is set to the search or jog mode at this time, the playback picture on the editor will be disturbed.

<Caution>

- Set the preroll time of the editing controller to "7 SEC".
- Use a colour framed tape in the editor unit.
- Use a colour programme tape in the source unit. This tape need not be colour framed.

Notes for Colour Framing

- When reviewing to check the Frame Editing after editing, the source unit is in the pause mode and the editor changes over to the internal synchronisation condition.
  Therefore, the Frame Lamp is off the whole time.
  Please check the colour framing at the Editing-In and -Out points in the review mode on the screen of the monitor.
- The following are remarks on the Colour Framing Editing, however, they do not matter in the ordinary editing system.

  Editing via Video Input Connector

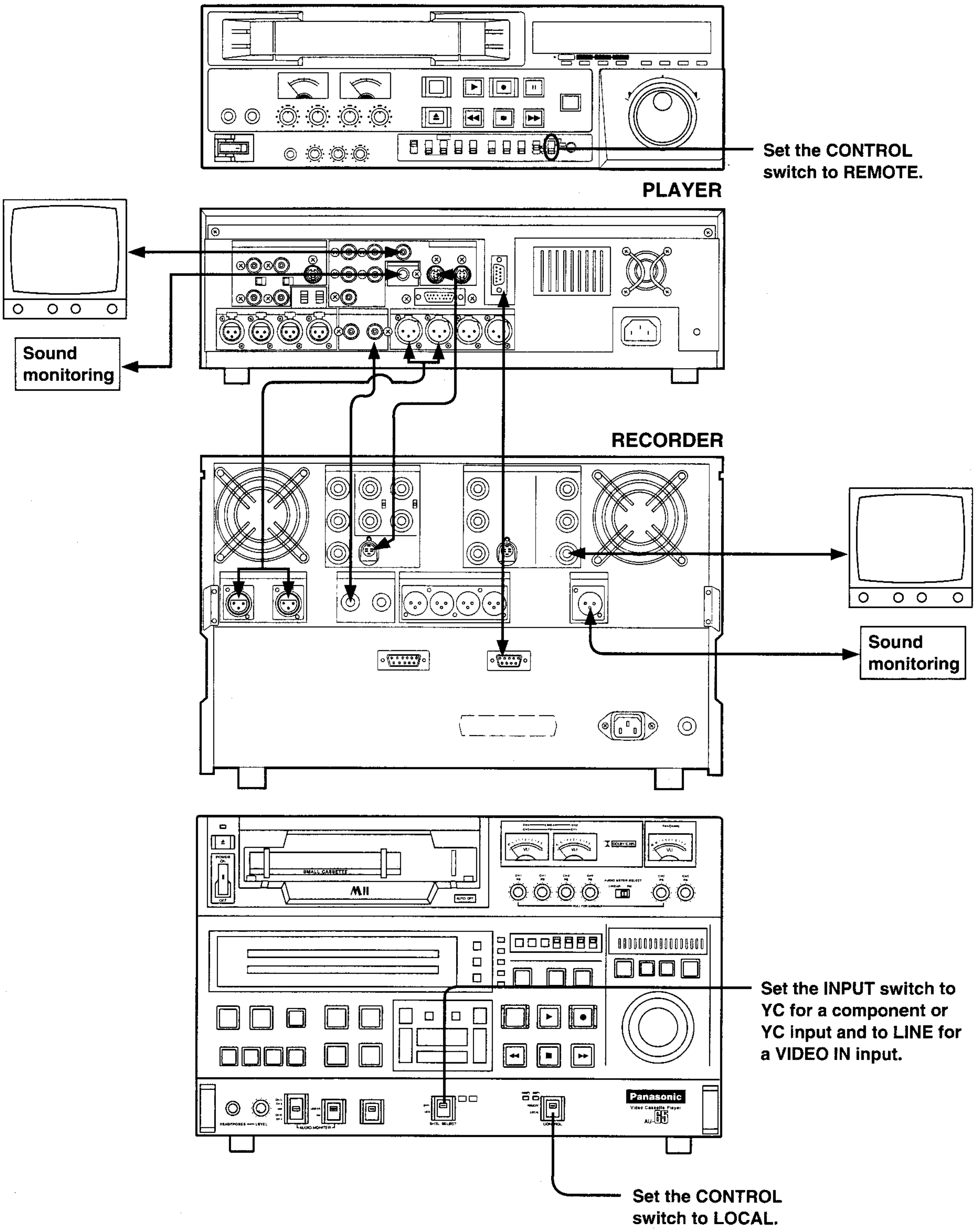
  1) The input video signal should be a CCIR standard PAL colour signal.
  2) Set the preroll time of the Controller to 7 seconds.
  3) The tape in the editor should be recorded by colour framing the CCIR standard PAL colour signal.
  4) Both tapes in the source and the editor should have continuity of the colour rotation in all editing sections. (There should not be any assemble or insert editing.)

  How to check whether colour framing was performed on a tape or not

  1) Insert the tape that you want to check into the AG-8700 and set the MENU function "Frame Servo" to "COLOUR FRAME".
  2) Input the standard CCIR PAL signal via the Video Input Connector and playback the tape.
  3) If the Frame Lock Lamp lights up, the recording on the tape is colour framed.

System using MII unit

This unit comes with an RS-422A interface facility which enables it to be connected with a professional/industrial MII VTR.


Set the CONTROL switch to REMOTE.
PLAYER
Sound monitoring
RECORDER
Sound monitoring
MII
Panasonic
Set the INPUT switch to YC for a component or YC input and to LINE for a VIDEO IN input.
Set the CONTROL switch to LOCAL.

- The above system employs the model AU-65H MII VTR designed for commercial applications.

Error displays

When an error appears on the counter display, it means that a malfunction has occurred in the unit. When this happens, terminate operation without delay and remedy the trouble by following the instructions in the Instruction Manual.

Error display	Problem	Remedy
d	Condensation	Leave power on and wait until error display is cleared (see MEMO below).
E-2	Malfunction in elevator section	This occurs when the cassette has not been inserted properly. Turn off the power and switch it back on again, and check that the unit operates normally.
E-3	Malfunction in loading section	
E-4	Malfunction in cylinder section	This occurs when a heavy load is applied because condensation has formed on the tape or for some other reason. Turn off the power and switch it back on again, and check that the unit operates normally.
E-5	Malfunction in reel section	
E-6	Malfunction in tension section	
E-7	Malfunction in solenoid section	Turn off the power and switch it back on again, and check that the unit operates normally.

- Contact your authorized dealer if the unit does not function normally when the above remedial action has been taken.

***Fan motor error display**

WARNING
(FAN MOTOR LOCK)

When trouble occurs in the fan motor area, the warning display shown on the left is output to the monitor screen alternately with the regular counter display. Since the unit's power will be automatically turned off about 20 minutes after this warning is output, complete the work speedily and turn off the power. The power can be switched back on in about 20 minutes' time.

MEMO

Condensation

This phenomenon is caused by the same principle under which droplets of moisture (condensation) form on a window in a heated room when it is cold outside. It can occur when the unit or a tape is moved a location with a significantly different temperature or humidity. It also occurs:

- When the unit or tape is moved to a location full of steam which cannot escape or a location with a high humidity, or immediately after movement to a heated room
- When the unit or tape is moved quickly from a cold or cooled location to a high-temperature and/or high-humidity location

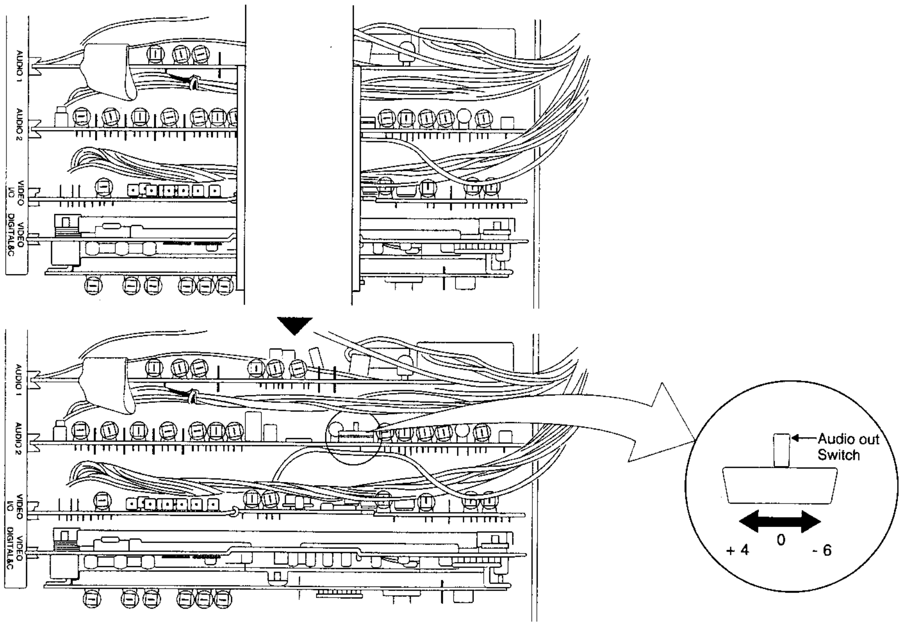
SHOULD A MALFUNCTION OCCUR, TURN OFF THE POWER IMMEDIATELY, TAKE HOLD OF THE POWER PLUG AND DISCONNECT IT FROM THE POWER SOCKET AND CONTACT YOUR DEALER. CONTINUED USE MAY CAUSE FURTHER DETERIORATION OR LEAD TO AN ACCIDENT.

Troubleshooting

Should trouble occur, check out the items listed below and make the recommended adjustments. If the trouble should persist, consult with your dealer.

Symptom	Inspection/adjustment	Ref.
No power.	■ Is power cord disconnected?	—
No operation even when function button is pressed.	■ Error on counter display? ■ CONTROL switch on REMOTE? ■ Search dial mode switch on MENU?	E-59 E-23 E-35
No tape fast forwarding or rewinding.	■ Has tape come to end after fast forwarding or rewinding? ■ Memory switch at AUTO STOP?	— E-20
No recording or editing. **(AG-8700 only)**	■ Cassette tab broken out? ■ Correct setting for input switch?	E-13 E-23
Playback accompanied by noise.	■ "IMAGE MODE SELECT" dial menu function set to "EDIT"? ■ Dirty video head?	E-39 E-65
Striping appears on part of picture during normal playback.	■ Has tracking been adjusted properly?	E-17
No colour on playback pictures.	■ Has colour mode been set to B/W mode by dial menu function?	E-39
Disturbances affect playback picture at regular intervals.	■ Is vertical sync of TV monitor adjusted properly? ■ Strong fluctuations in supply voltage during recording? ■ Is cassette tape acceptable?	— — —

Setting the audio switches



The AUDIO OUT level can be selected using the switch on the AUDIO2 circuit board (located below the board's metal clamp).

Servo reference

This unit automatically selects the input video signal selected by the INPUT switch (AG-8700 only), the REF VIDEO signal supplied from the REF IN connector or the internal sync signal (INT) as the servo reference signal. The relationship between the "SYNC" dial menu function (item No. 1001) and servo reference signal during normal playback and recording is as described below.

■ During playback

DIAL MENU FUNCTION ITEM No. 1001	**Input signal mode**		**Reference signal**
	VIDEO IN signal **(AG-8700 only)**	**REF IN signal**	
NORMAL	○	○	REF IN signal
	○	×	INT sync signal
	×	○	REF IN signal **(AG-8700 only)**
	×	×	INT sync signal **(AG-8700 only)**
EXT	○	○	REF IN signal
	○	×	INT sync signal
	×	○	REF IN signal **(AG-8700 only)**
	×	×	INT sync signal **(AG-8700 only)**

■ During editing or recording

DIAL MENU FUNCTION ITEM No. 1001	**Input signal mode**		**Reference signal**
	VIDEO IN signal **(AG-8700 only)**	**REF IN signal**	
NORMAL	○	○	VIDEO IN signal
	○	×	VIDEO IN signal **(AG-8700 only)**
	×	○	REF IN signal **(AG-8700 only)**
	×	×	INT sync signal **(AG-8700 only)**
EXT	○	○	REF IN signal
	○	×	INT sync signal
	×	○	REF IN signal **(AG-8700 only)**
	×	×	INT sync signal **(AG-8700 only)**

"O": signal is supplied; "X": signal is not supplied.

Connector signals

REMOTE 9P connector

Pin no.	Description of signal
1	GND
2	TRANSMIT A
3	RECEIVE B
4	RECEIVE COMMON
5	SPARE
6	TRANSMIT COMMON
7	TRANSMIT B
8	RECEIVE A
9	GND

S-VIDEO IN/OUT connectors (4P)

Pin no.	Description of signal
1	Y GND
2	C GND
3	Y signal
4	C signal

AUDIO IN/OUT connectors (XLR)

Pin no.	Description of signal
1	GND
2	HOT
3	COLD

TBC REMOTE connector (15P)

Pin no.	Description of signal
1	———
2	BLACK LEVEL
3	C LEVEL
4	GND
5	+ 12 V
6	SYSTEM Hϕ
7	SYS. SC COARSE (2)
8	– 12 V
9	CHROMA PHASE
10	VIDEO LEVEL
11	RET GND
12	———
13	———
14	SYS. SC FINE
15	SYS. SC COARSE (1)

REMOTE 34P connector
(option)

Pin no.	Description of signal
1	REC SWITCH*1 *3
2	PLAY SWITCH*1
3	FF SWITCH*1
4	REW SWITCH*1
5	STOP SWITCH*1
6	———
7	PAUSE SWITCH*1
8	CASSETTE IN SWITCH*2
9	CUT IN SWITCH*1
10	———
11	SERVO LOCK*2
12	GND
13	SWITCH STEP*1
14	REVERSE COUNT*2
15	CUT OUT SWITCH*1 *3
16	EDIT SWITCH*1 *3
17	REVERSE IN*2
18	CONTROL PULSE OUT
19	REMOTE 19*1
20	START MARK
21	EJECT SWITCH*1
22	INSERT CH1*1 *3
23	REC HOLD*2 *3
24	PLAY HOLD*2
25	FF HOLD*2
26	REW HOLD*2
27	INSERT CH2*1 *3
28	———
29	PAUSE HOLD*2
30	REMOTE 30*1
31	CUT IN HOLD*2
32	INSERT VIDEO*1 *3
33	REMOTE 33*1
34	+ 12 V

*1 Active low (INPUT)
*2 Open collector, active low (OUTPUT)
*3 For AG-8700 only.

Rack Mount Adaptor (Option)

The Rack Mount Adaptor AG-M730-E is used to mount the unit on the IEC standard rack.

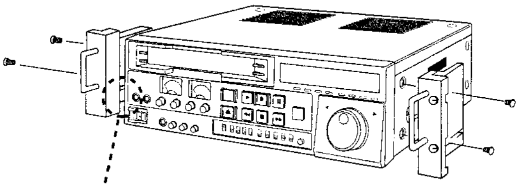
Installation of the AG-M730-E

1. Remove the 4 screws

from the side cabinet of the unit.

2. Use the 4 screws supplied

with the AG-M730-E to install to the unit.



Install it with the notch down

Mounting on the IEC standard rack

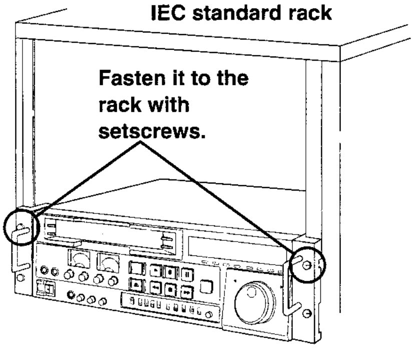
1. Remove the 4 rubber legs

from the bottom of the unit.

2. Mount the unit on the rack.

- ■ Be sure to install a ventilation fan (air volume of about 3.3 m 2/sec.) on the top of the rack.

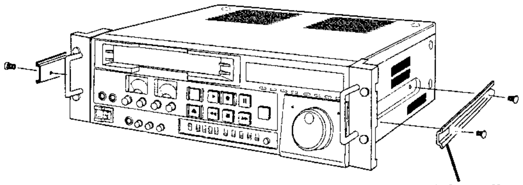
IEC standard rack



Fasten it to the rack with setscrews.

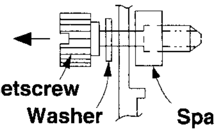
Installation of slide rails

- ■ Use a complete slide rail and bracket unit for 457 mm length (part No. CC3004-99-0017) or 610 mm length (part No. CC3004-99-0018) of Chassis Track. (The complete slide rail and bracket unit is not available from Panasonic.)



Slide rail

- ■ When using the slide rail, remove the setscrews. The setscrews can be removed by pulling in the direction of the arrow. Keep the removed setscrews, washers and spacers in a proper place.
  - For the details, contact your authorized service personnel.



Accessories

Standard accessory

Check that the standard accessory below are packed with the unit.

Power cord	2 pcs.

Optional accessories

S-VIDEO cable (4P)	Model No. AG-C71 (5m)
	Model No. AG-C70A (3m)
	Model No. AG-C71A (5m)
Editing controller	Model No. AG-A800
	Model No. AG-A770
	Model No. AG-A350
Rack-mounting adaptor	Model No. AG-M730
34-pin Remote Connector	Model No. AG-IA834

Cassette tapes

This unit is designed as a product which is required to demonstrate a high degree of reliability in such applications as editing and transmission. As such, use of the Panasonic video tapes listed below is recommended so that the unit's recording reliability will be maintained.

- **S-VHS video cassettes**
- **VHS video cassettes**

Regular inspections

Head cleaning

If the screen should appear as shown below, it means that the video heads are dirty. Use the optional cleaning tape (NV-TCLA) to clean the heads. Consult with your dealer if the symptoms should persist even after cleaning.

- Repeated head cleaning will shorten the service life of the video heads.
- Nothing can be recorded on the head cleaning tape.

Maintenance

Before proceeding with maintenance, set the power switch to OFF and, remembering to take hold of the power plug, disconnect it from the power outlet.

Use a soft cloth to clean the cabinet. With stubborn stains or dirt, dilute some dish washing liquid, allow a cloth to soak in it, and then wring it out and clean. After having removed the stains or dirt, use a dry cloth to wipe away any moisture.

Do not use paint thinners or benzine.

Storage

- Avoid storing the unit in a location where the temperature is extremely high or low.
- Under no circumstances should the unit be left outdoors.
- If there are no plans to use the unit for a prolonged period of time, set the power switch to OFF and, remembering to take hold of the power plug itself, disconnect it from the power outlet. This is done to safeguard against accidents and breakdowns.
- Before storing, always remember to remove the cassette tape if one is still inside the unit.

Specifications

General

Power Supply:	220 – 240 V AC, 50 – 60 Hz
Power Consumption:	AG-8700; 82 W AG-8600; 68 W

▨ is the safety information.

Recording System:	2 head-helical scanning, azimuth recording, S-VHS/VHS standards
Tape Speed:	23.39 mm/sec (under normal conditions)
Tape:	S-VHS tape, VHS tape
Recording Time:	180 minutes (with NV-E180)
FF/REW Time:	Approx. 2 minutes (with NV-E180)
Operating Humidity:	35% to 80%
Operating Temperature:	5°C – 40°C (during operation)
Dimensions (W × H × D)	424 × 131.5 × 415 mm
Weight:	About 11.5 kg

Video

Television Format:	PAL TV system;	625 lines, 50 fields
Input/Output:	Line (BNC);	1.0 Vp-p, 75 Ω
(For "Input", AG-8700 only)	S-VIDEO (4P);	Y: 1.0 Vp-p, 75 Ω
		C: 0.3 Vp-p, 75 Ω (burst)
	COMPONENT (BNC);	Y: 1.0 Vp-p, 75 Ω
		P_B: 525 mVp-p, 75 Ω
		P_R: 525 mVp-p, 75 Ω
		(75% Colour Bar without set-up)
Horizontal Resolution:	VHS;	250 lines
	S-VHS;	400 lines
S/N Ratio:	VHS;	45 dB (SC ON, colour mode)
	S-VHS;	46 dB (SC ON, colour mode)

Audio

Input:	Line Hi-Fi (XLR);	+4/0/–6 dBs, hi impedance, balanced
(AG-8700 only)	Line NORM (XLR);	+4/0/–6 dBs, hi impedance, balanced
	MIC;	–50 dBv, 4.7 kΩ, unbalanced
	Time code (BNC);	1.0 Vp-p, 10 kΩ, unbalanced
Output:	Line Hi-Fi (XLR);	+4/0/–6 dBs, 50 Ω, balanced
	Line NORM (XLR);	+4/0/–6 dBs, 50 Ω, balanced
	Headphones (6.3 mm);	–60 dBv ~ –20 dBv, 8 Ω, unbalanced
	Monitor (phono);	0 dBv, 600 Ω unbalanced
	Time code (BNC);	2.4 Vp-p, low impedance, unbalanced
Track Number:	4 tracks (2 normal audio tracks, 2 Hi-Fi audio tracks)	
S/N Ratio:	48 dB (with Dolby NR switch ON, for normal sound)	
Hi-Fi dynamic range:	More than 90 dB	
Audio Frequency Response:	50 Hz to 12 kHz (normal sound) 20 Hz to 20 kHz (Hi-Fi sound)	

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

SERVICE INFORMATION

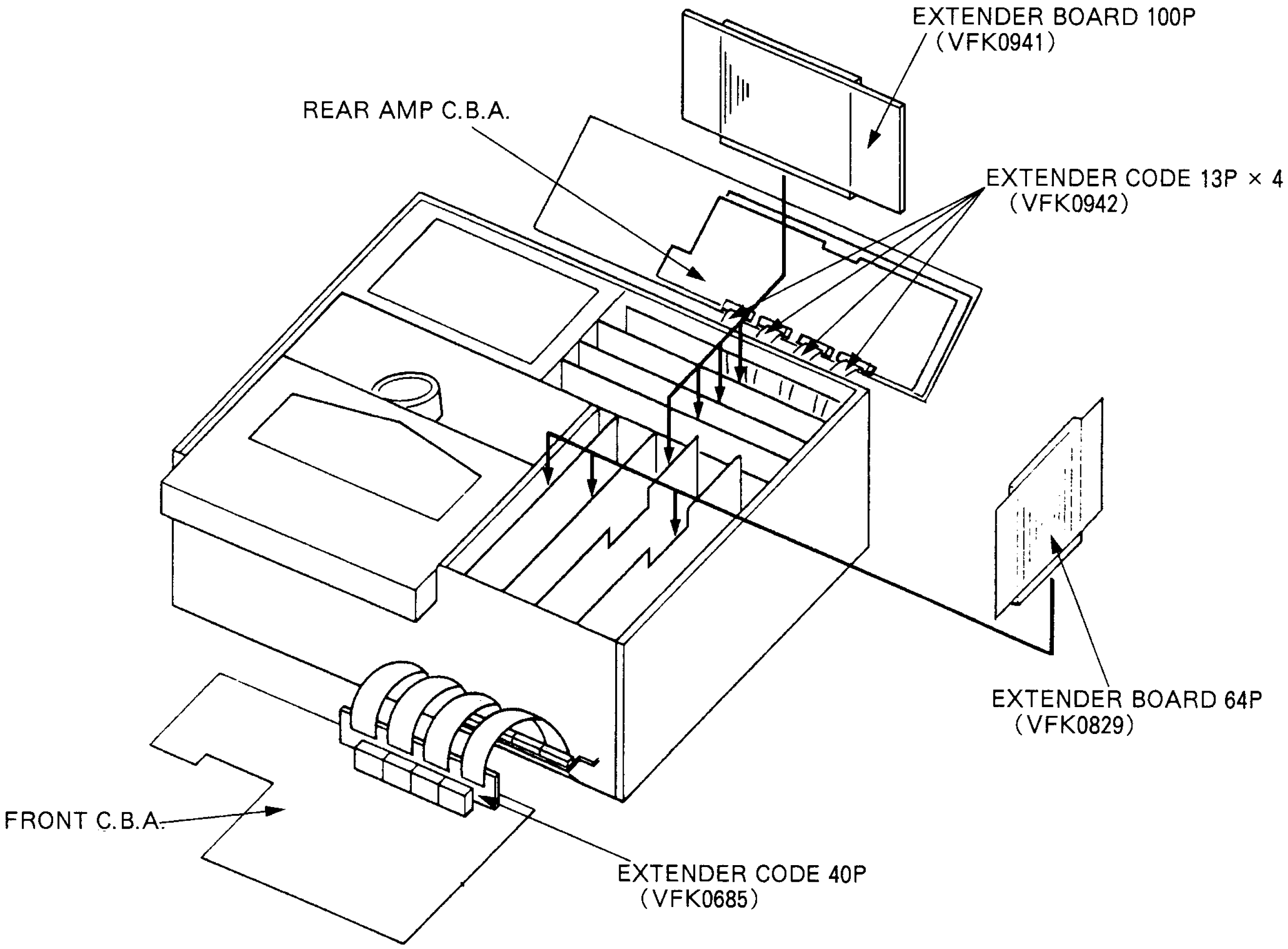
1 EXTENDERS

1. **EXTENDER BOARD 100P (VFK0941) SAME AS AG-7700 etc.
   FOR INTERFACE, TBC (1), TBC (2) and VIDEO I/O P.C.BOARDs**

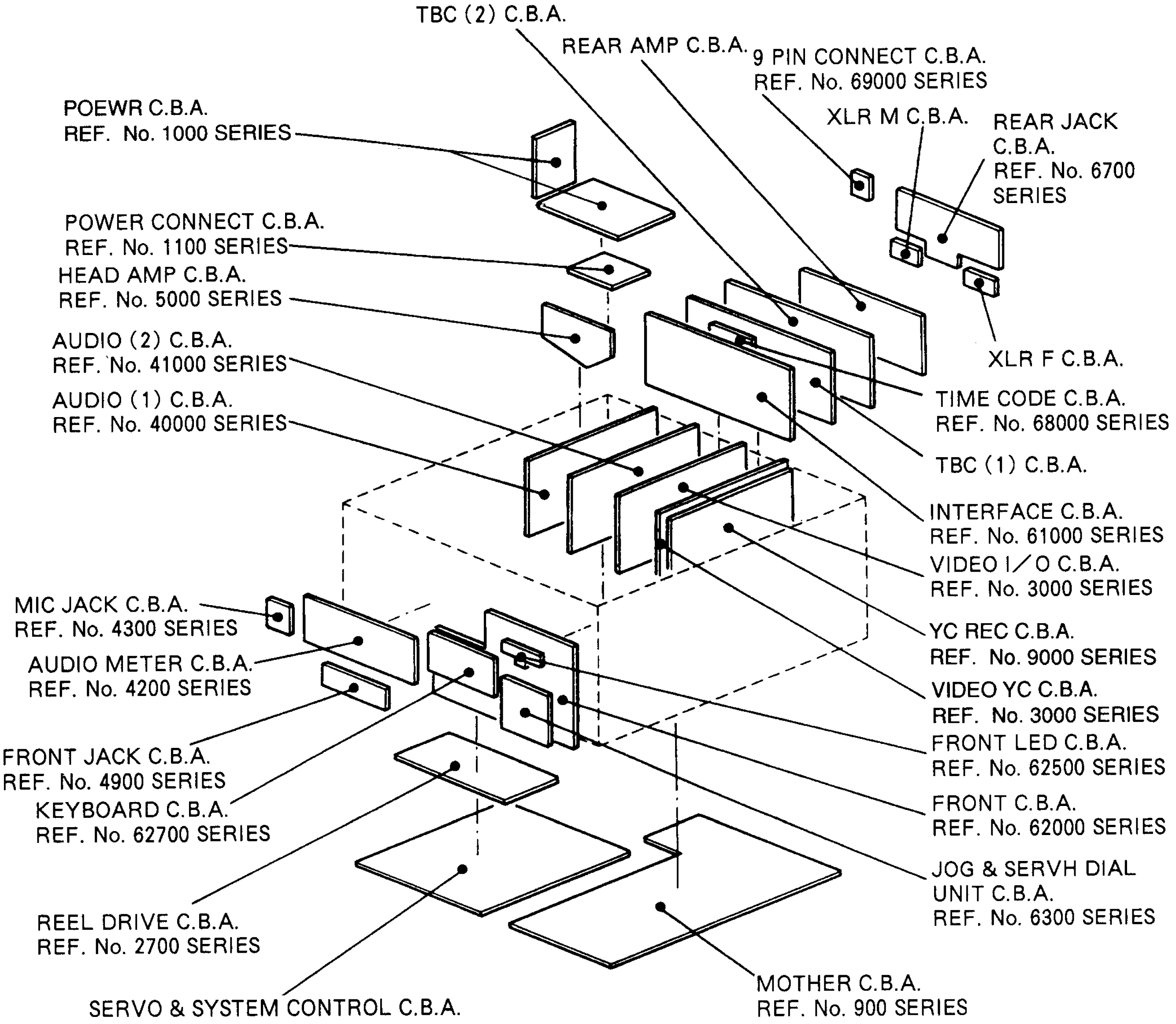
2. **EXTENDER CODE 13P (VFK0942) SAME AS AG-7700 etc. × 4
   FOR REAR AMP (JACK) P.C.BOARD**

3. **EXTENDER CODE 40P (VFK0685) SAME AS AG-7350 etc.
   FOR FRONT P.C.BOARD**

4. **EXTENDER BOARD 64P (VFK0829) SAME AS AG-6730 etc.
   FOR VIDEO YC, AUDIO (1), AUDIO (2) P.C.BOARDs**


EXTENDER BOARD 100P
(VFK0941)
REAR AMP C.B.A.
EXTENDER CODE 13P × 4
(VFK0942)
EXTENDER BOARD 64P
(VFK0829)
FRONT C.B.A.
EXTENDER CODE 40P
(VFK0685)

2 CIRCUIT BOARD LAYOUT


TBC (2) C.B.A.
REAR AMP C.B.A.
9 PIN CONNECT C.B.A.
REF. No. 69000 SERIES
POEWR C.B.A.
REF. No. 1000 SERIES
XLR M C.B.A.
REAR JACK C.B.A.
REF. No. 6700 SERIES
POWER CONNECT C.B.A.
REF. No. 1100 SERIES
HEAD AMP C.B.A.
REF. No. 5000 SERIES
AUDIO (2) C.B.A.
REF. No. 41000 SERIES
XLR F C.B.A.
AUDIO (1) C.B.A.
REF. No. 40000 SERIES
TIME CODE C.B.A.
REF. No. 68000 SERIES
TBC (1) C.B.A.
INTERFACE C.B.A.
REF. No. 61000 SERIES
VIDEO I/O C.B.A.
REF. No. 3000 SERIES
MIC JACK C.B.A.
REF. No. 4300 SERIES
YC REC C.B.A.
REF. No. 9000 SERIES
AUDIO METER C.B.A.
REF. No. 4200 SERIES
VIDEO YC C.B.A.
REF. No. 3000 SERIES
FRONT JACK C.B.A.
REF. No. 4900 SERIES
FRONT LED C.B.A.
REF. No. 62500 SERIES
KEYBOARD C.B.A.
REF. No. 62700 SERIES
FRONT C.B.A.
REF. No. 62000 SERIES
JOG & SERVH DIAL UNIT C.B.A.
REF. No. 6300 SERIES
REEL DRIVE C.B.A.
REF. No. 2700 SERIES
MOTHER C.B.A.
REF. No. 900 SERIES
SERVO & SYSTEM CONTROL C.B.A.

SERVO & SYSTEM CONTROL C.B.A.

REAR AMP AUDIO IN SECTION: REF. No. 1000 SERIES
SUB POWER SECTION: REF. No. 1500 SERIES
CYL SERVO SECTION: REF. No. 2000 SERIES
CAPSTAN SERVO-1 SECTION: REF. No. 2200 SERIES
CAPSTAN SERVO-2 SECTION: REF. No. 2200 SERIES
CTL AMP SECTION: REF. No. 2300 SERIES
WIDE SECTION: REF. No. 2400 SERIES
REEL SERVO SECTION: REF. No. 2500 SERIES
MOTOR DRIVE-1 SECTION: REF. No. 2700 SERIES
MOTOR DRIVE-2 SECTION: REF. No. 2700 SERIES
SYSTEM CONTROL SECTION: REF. No. 60000 SERIES
SUB SYSTEM CONTROL SECTION: REF. No. 60500 SERIES

REAR AMP C.B.A.

REAR AMP SECTION: REF. No. 4000 SERIES
REAR AMP SECTION: REF. No. 6600 SERIES

TBC (1) C.B.A.

Y MEMORY SECTION: REF. No. 8000 SERIES
PB SYNC SEP SECTION: REF. No. 8100 SERIES
WRITE PLL SECTION: REF. No. 8100 SERIES
CLAMP & AMP SECTION: REF. No. 8200 SERIES
C MEMORY SECTION: REF. No. 8300 SERIES
G.A. BLOCK SECTION: REF. No. 8400 SERIES
READ CLK GEN SECTION: REF. No. 8500 SERIES
TBC (1) CONNECTION SECTION: REF. No. 8500 SERIES

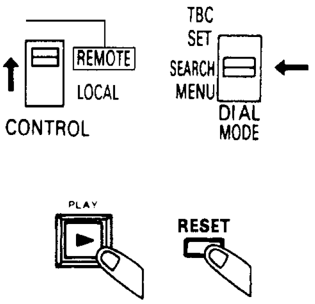
TBC (2) C.B.A.

ENCODER SECTION: REF. No.8000 SERIES
SYNC GEN-1 SECTION: REF. No.8600 SERIES
SYNC GEN-2 SECTION: REF. No.8600 SERIES
SYNC GEN-3 SECTION: REF. No.8700 SERIES
TBC (2) CONNECTION SECTION: REF. No.8900 SERIES

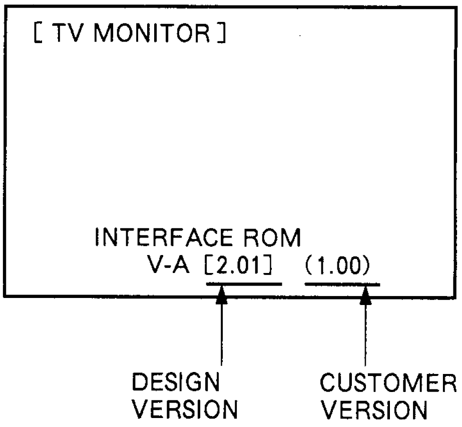
3 ROM VERSION DISPLAY

The ROM Version is displayed while the PLAY and RESET buttons are kept depressed as follows;

1. Eject a cassette tape.
2. Set the CONTROL switch to REMOTE.
3. Set the DIAL MODE switch to SEARCH.
4. Push the PLAY button together with RESET button.



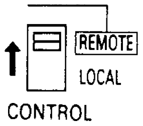
REMOTE
LOCAL
CONTROL
TBC
SET
SEARCH
MENU
DIAL MODE
PLAY
RESET



[TV MONITOR]
INTERFACE ROM
V-A [2.01] (1.00)
DESIGN VERSION
CUSTOMER VERSION

4 HOUR METER RESET

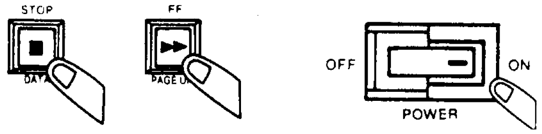
1. Turn off the Power.
2. Connect a jumper wire between TP1 and TP2 on the INTERFACE C.B.A.
3. Set the CONTROL switch to REMOTE.



REMOTE
LOCAL
CONTROL

<< DRUM ON TIME >>

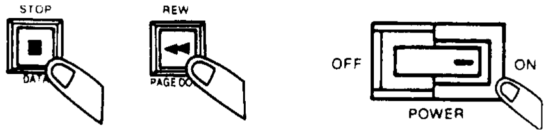
Turn on the Power while the STOP and FF buttons are depressed.



STOP
FF
OFF
ON
POWER

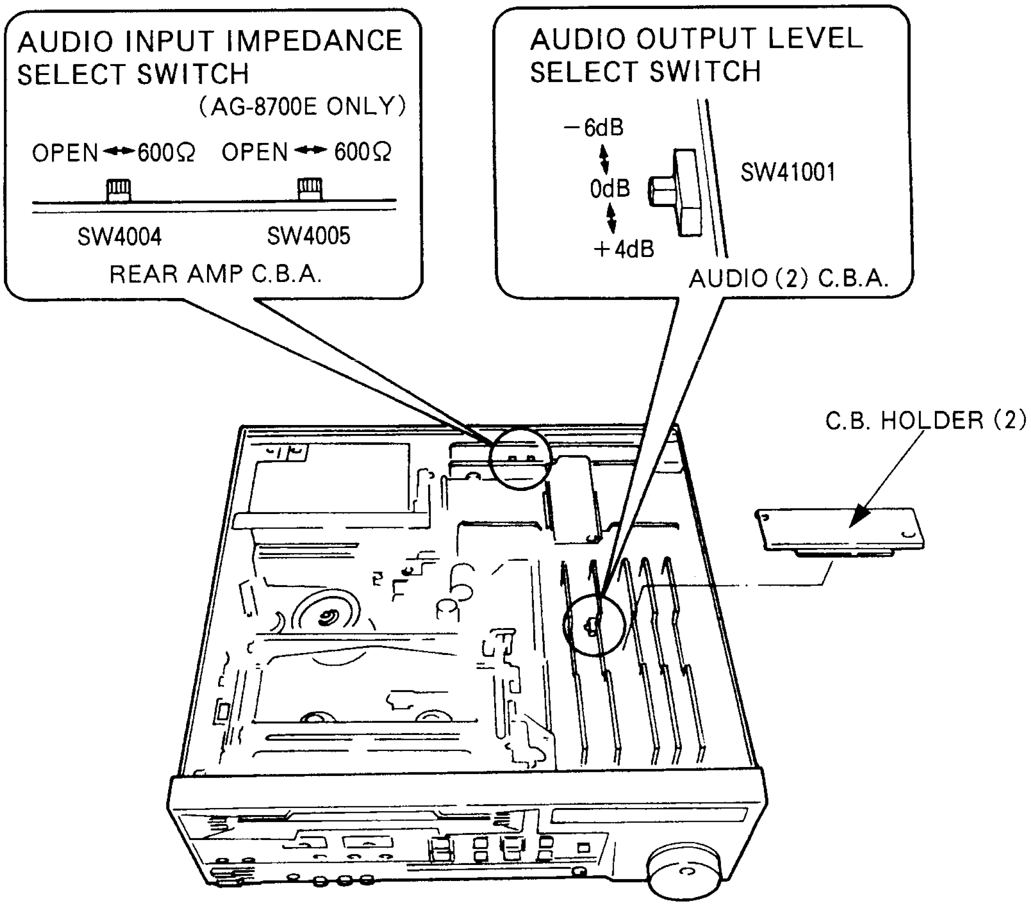
<< CAPSTAN ON TIME >>

Turn on the Power while the STOP and REW buttons are depressed.



STOP
REW
OFF
ON
POWER

5 INTERNAL SWITCH


AUDIO INPUT IMPEDANCE SELECT SWITCH
(AG-8700E ONLY)
OPEN ↔ 600Ω
OPEN ↔ 600Ω
SW4004
SW4005
REAR AMP C.B.A.
AUDIO OUTPUT LEVEL SELECT SWITCH
−6dB
0dB
+4dB
SW41001
AUDIO (2) C.B.A.
C.B. HOLDER (2)

3-1. PARTS LOCATION

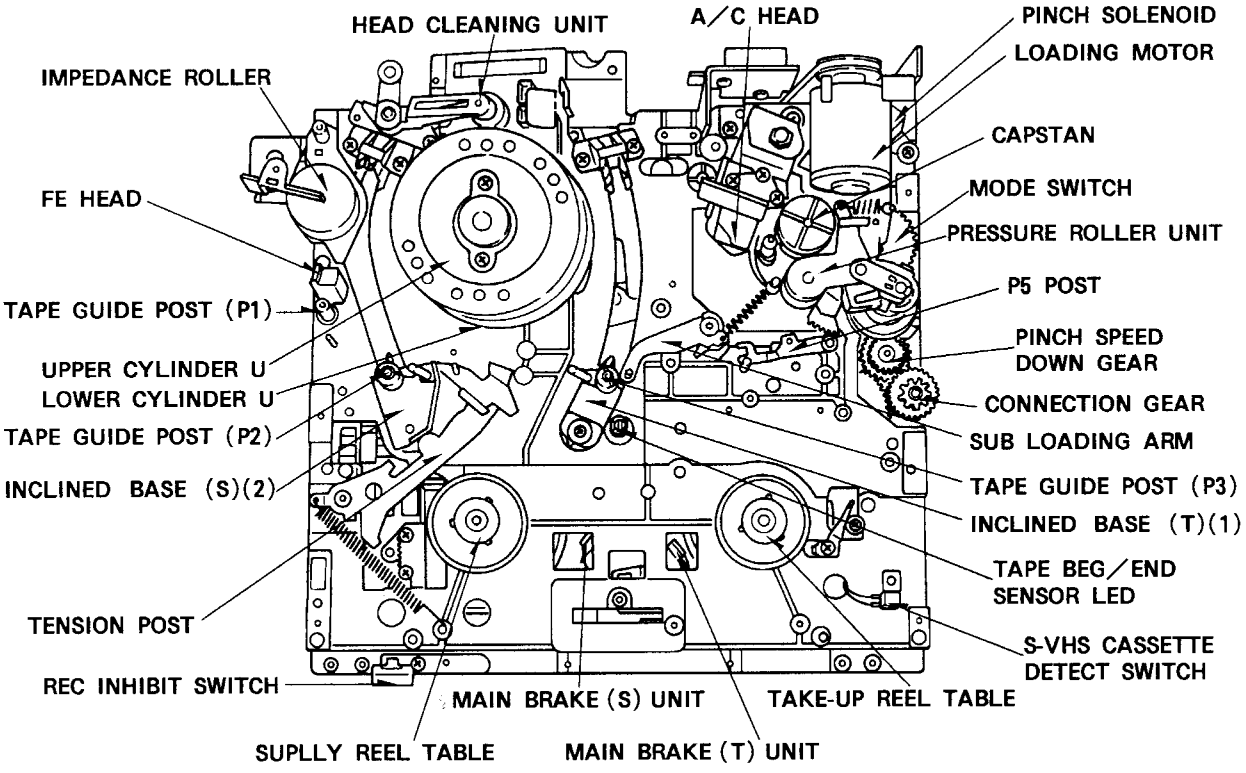

HEAD CLEANING UNIT
A/C HEAD
PINCH SOLENOID
LOADING MOTOR
IMPEDANCE ROLLER
CAPSTAN
MODE SWITCH
FE HEAD
PRESSURE ROLLER UNIT
P5 POST
TAPE GUIDE POST (P1)
PINCH SPEED DOWN GEAR
UPPER CYLINDER U
LOWER CYLINDER U
CONNECTION GEAR
TAPE GUIDE POST (P2)
SUB LOADING ARM
INCLINED BASE (S)(2)
TAPE GUIDE POST (P3)
INCLINED BASE (T)(1)
TAPE BEG/END SENSOR LED
TENSION POST
S-VHS CASSETTE DETECT SWITCH
REC INHIBIT SWITCH
MAIN BRAKE (S) UNIT
TAKE-UP REEL TABLE
SUPLLY REEL TABLE
MAIN BRAKE (T) UNIT

Figure M1

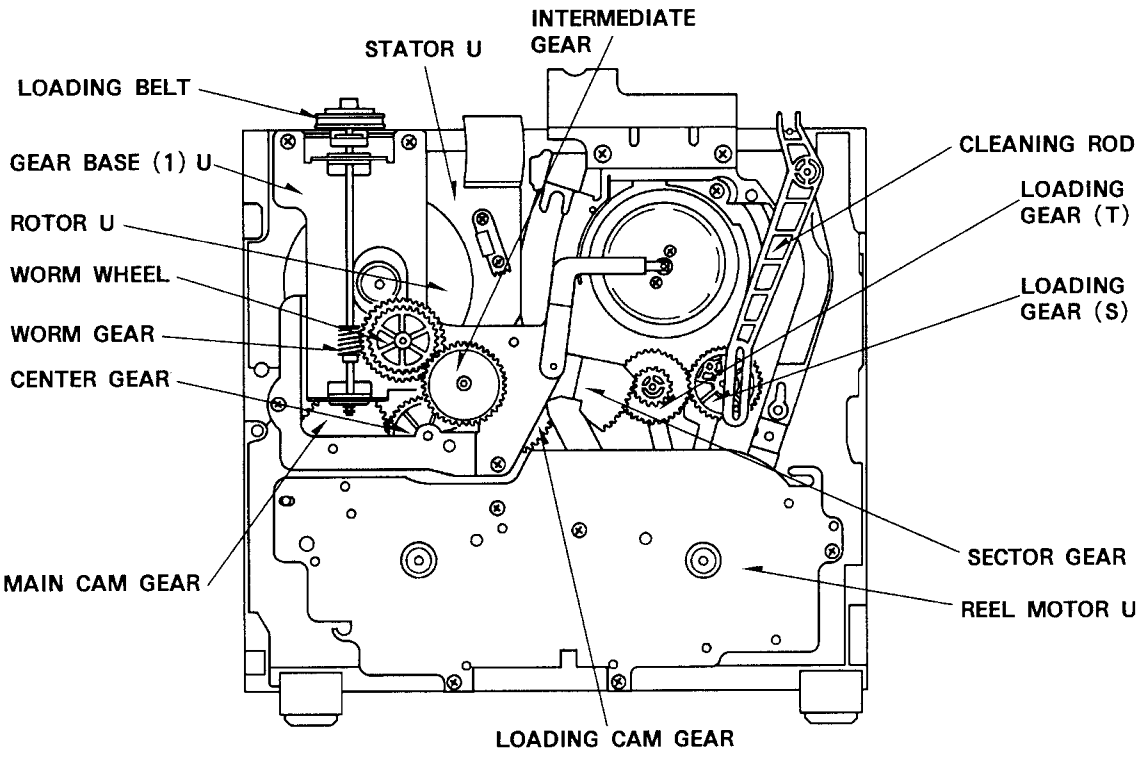
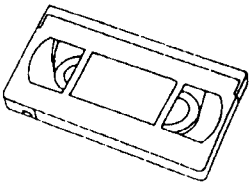
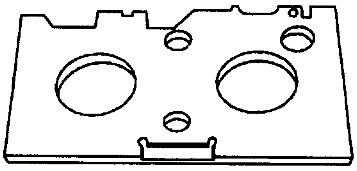
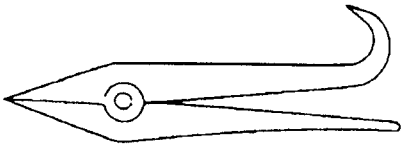
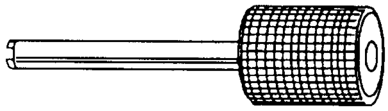
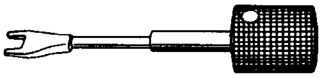
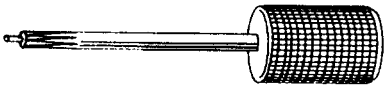
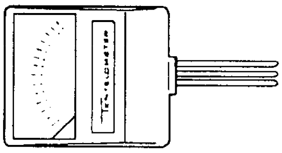
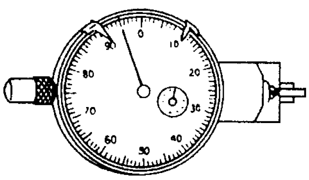
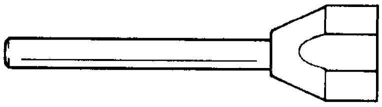
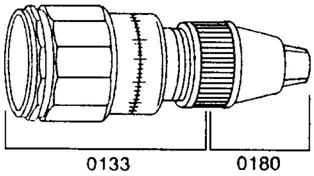
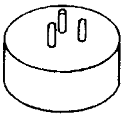
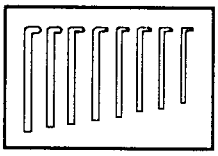
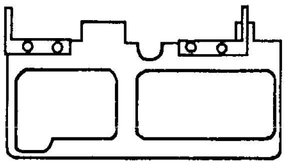
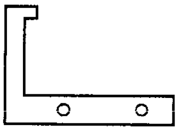
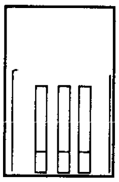
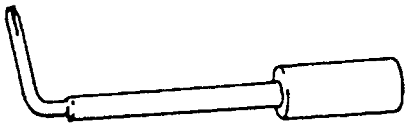
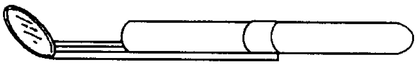
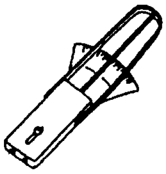
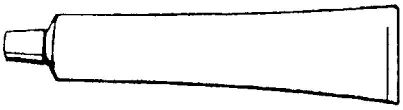
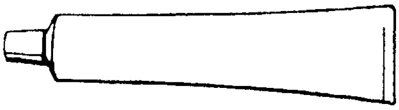

INTERMEDIATE GEAR
STATOR U
LOADING BELT
CLEANING ROD
GEAR BASE (1) U
LOADING GEAR (T)
ROTOR U
WORM WHEEL
LOADING GEAR (S)
WORM GEAR
CENTER GEAR
SECTOR GEAR
MAIN CAM GEAR
REEL MOTOR U
LOADING CAM GEAR

Figure M2

3-2. SERVICING FIXTURES AND TOOLS

The specified servicing fixture must be used to conduct adjustment.
The folloeing fixtures, tools and measuring equipments are required to conduct complete Mechanical Adjustments.

VFM8180HADH ; VHS Alignment Tape 	**VFK1012 ; Post Adjustment Plate** 	**VFK0335 ; Retaining Ring Remover** 
VFK0329 ; Post Adj. Screwdriver 	**VFK0328 ; H-Position Adj. Screwdriver** 	**VFK0330 ; Fine Adj. Screwdriver (3mm)** 
VFK0132 ; Back Tension Meter **(Tentelometer, Made in U.S.A)** 	**VFK0190 ; Reel Table Height Fixture** 	**VFK0950 ; Centering Fixture** 
VFK0133 ; Dial Torque Gauge **VFK0180 ; Plastic Clamper Only** 	**VFK0134 ; Adaptor for VFK0133** 	**VFK0326 ; Hex. Wrench Set** **(0.7, 0.9, 1.2, 1.5, 1.6, 2, 2.4, 3 mm)** 
VFK0236 ; Tension Post Adj. Plate 	**VFK0806 ; Tension Sensor Adj. Fixture** 	**VFK27 ; Head Cleaning Stick** 
VFK0269 ; L Type Screwdriver 	**VFK0948 ; Check Light** 	**VFK66 ; Fan Type Tension Gauge** 
VFK0680 ; S.C.R. Grease (White) **(for plastic part)** 	**MOR265 ; Morlytone Grease (Black)** **(for metal part)** 	**VFK0906 ; High Quality Oil** **(for Capstan shaft and P5 Post)** **Cleaning Liquid (Alchol)** **(Tape Transport Rubber Parts etc.)** **<< PURCHASE LOCALLY >>**

3-3. HOW TO EJECT MANUALLY

If the electrical circuit is defective and the action of unloading and front unloading don't work properly, it is possible to eject manually as follows.

1. Take out the Main AC.
2. Release the direction as shown in Figure M3.
3. Release the Wormshaft to clockwise unit cassette is ejected.

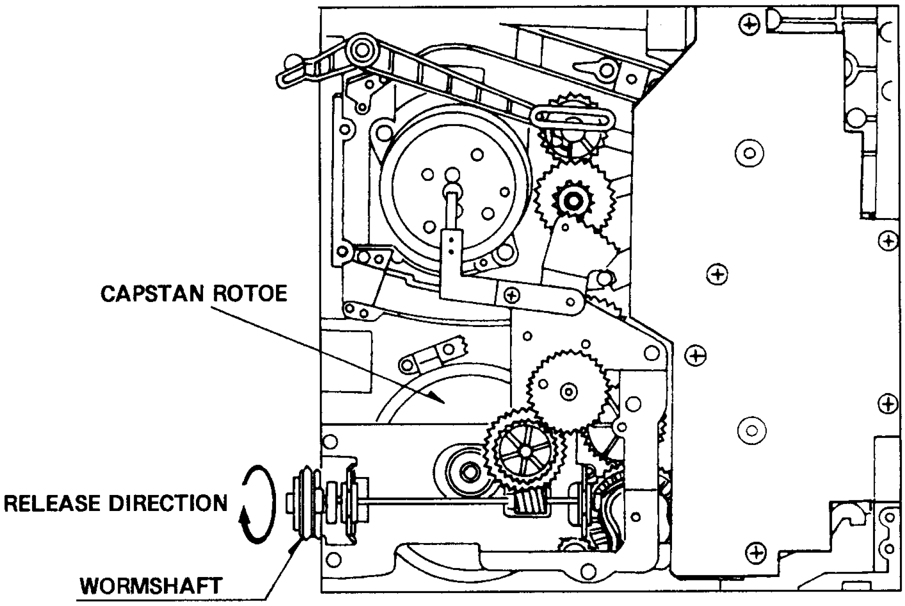

CAPSTAN ROTOE
RELEASE DIRECTION
WORMSHAFT

Figure M3 How to Eject Manually

3-4. MAINTENANCE PROCEDURES

3-4-1. REGULAR MAINTENANCE

The purpose of periodic maintenance is to preserve the functioning of this machine throughout its useful life. The user or service dealer should perform these maintenance regularly to ensure that maximum utility is obtained from the machine.

The VCR is a complicated place of equipment. It contains many belts, rollers, heads etc., which become worn, and deteriorate as time goes by, causing trouble. Dust and dirt will also impede the proper functioning of the machine. In light of this, it is very important that overall maintenance be done according to the maintenance chart to maintain the functions of the VCR, and to avoid accidental problems. This maintenance should also be performed after any repairs are done on the equipment.
The VCR used for business applications requires particular attention for several reasons. The installation conditions and applications are not always the best. Long use times, or poor environmental conditions may adversely affect the lifespan and performance of the machine. Regular maintenance assures that the purchaser obtains the maximum value for his expenditure. Accordingly, the necessity of regular maintenance should be fully explained at the time of sale, as well as during after-sale repairs.

3-4-2. MAINTENANCE CHART

The following periodic maintenance is required to prolong the life of the machine.

Ref. No. IN P/L	Parts Name	Hour										Ref. No. IN P/L	Parts Name	Hour									
		500	1000	1500	2000	2500	3000	3500	4000	4500	5000			500	1000	1500	2000	2500	3000	3500	4000	4500	5000
	Tape Transporter	●	●	●	●	●	●	●	●	●	●	2-1	Worm Shaft								▲		
1-7	Loading Motor U								◎			2-2	Loading Belt				◎				◎		
1-19	A/C Head U	●	●	●	●	●	●	●	◎	●	●	2-3	Worm Wheel								×		
1-25	Pressure Roller U	●	●	●	◎	●	●	●	◎	●	●	2-8	Stator Base Unit								◎		
1-36	Mode Switch								◎			2-16	Main Brake (S)				◎				◎		
1-39	P5 Arm U								▲			2-18	Main Brake (T)				◎				◎		
1-41	Upper Cylinder	●	◎	●	◎	●	◎	●	◎	●	◎	2-23	Takeup Reel Tuble U								◎		
1-42	Lower Cylinder U	●	●	●	●	●	●	●	◎	●	●	2-24	Supply Reel Table U								◎		
1-45	Inclined (T) U								▲		◎	2-28	Capstan Rotor U	●	●	●	△	●	●	●	△	●	●
1-48	Inclined (S) U								▲		◎	2-33	Main Cam Gear								▲		
1-56	FE Head	●	●	●	●	●	●	●	◎	●	●	2-39	Loading Cam Gear								▲		
1-66	Head Cleaning U		◎		◎		◎		◎		◎												

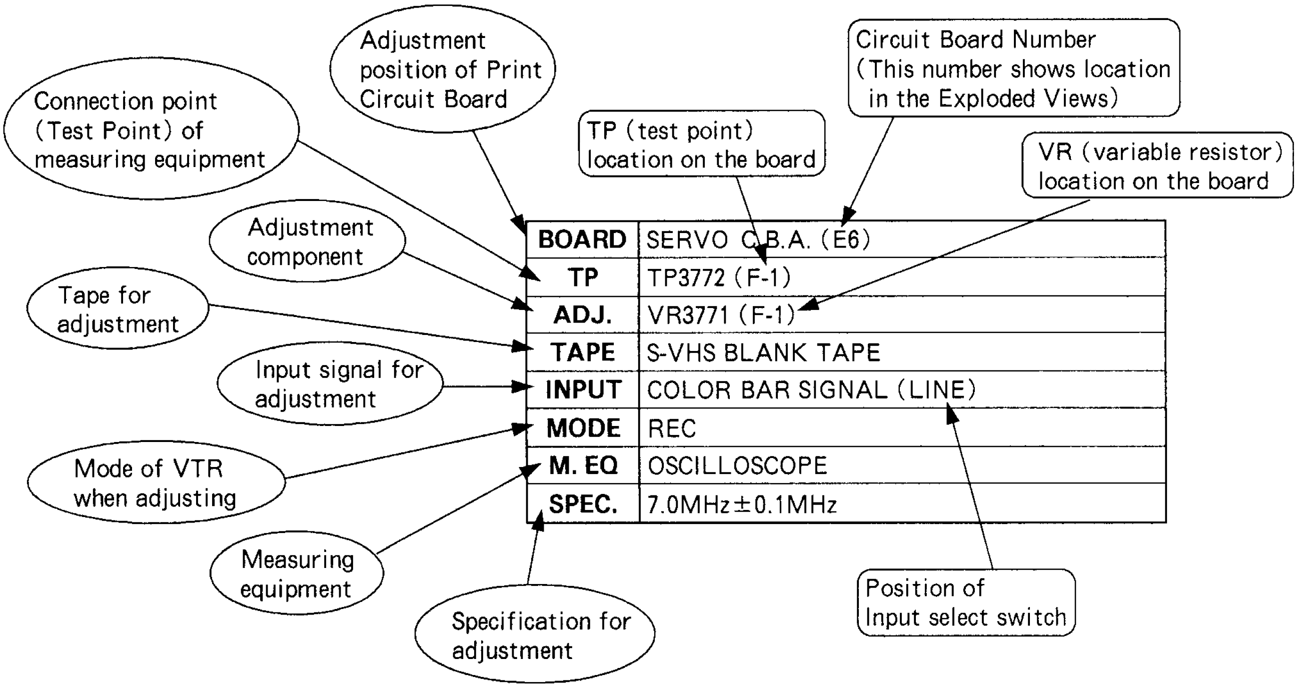
*NOTE :

Symbol	Maintenance	Requirement	Remark
●	Cleaning	Ethyl-alcohol or Cleaning Liquid (Purchase locally)	Wipe dirt from the parts using soft cloth impregnated with Ethyl-Alcohol. Note: When cleaning rubber parts, avoid using excessive alcohol since it may accelerate deterioration of these parts. After cleaning with alcohol, wipe the alcohol quickly and thoroughly.
◎	Replacement		
△	Lubrication	High Quality Spindle Oil (Purchase locally)	Supply one or two drops of oil.
▲	Greasing	Molytone Grease (MOR265)	Wipe the old grease and apply new grease.
×	Greasing	S.C.R. Grease (VFK0680)	Wipe the old grease and apply new grease.

4-1. TEST & SERVICE EQUIPMENT

No.	EQUIPMENT	CAPACITY
1	D.V.M. (Digital Volt Meter)	0.001 to 50V
2	Dual-Trace Oscilloscope (with Probes)	0.005 to 50V/div, DC to 100MHz (50MHz)
3	Frequency Counter	0 to 10MHz
4	Sinewave Signal Generator (RC Oscillator)	0 to 10MHz
5	Video Sweep Generator	0 to 10MHz
6	Waveform Monitor	
7	Video Signal Generator (Composite, Y/C)	video signal with 7.5% set-up
8	Spectrum Analyzer	
9	Vector Scope	
10	Component Vector Scope	
11	SCH Meter	
12	Color Monitor TV	
13	VHS Alignment Tape (VFM8080HQFP)	
14	Extender Board (VFK0941)	

4-2. HOW TO READ THE ADJUSTMENT PROCEDURES TABLE



BOARD	SERVO C.B.A. (E6)
TP	TP3772 (F-1)
ADJ.	VR3771 (F-1)
TAPE	S-VHS BLANK TAPE
INPUT	COLOR BAR SIGNAL (LINE)
MODE	REC
M. EQ	OSCILLOSCOPE
SPEC.	7.0MHz±0.1MHz

Adjustment position of Print Circuit Board
Circuit Board Number (This number shows location in the Exploded Views)
Connection point (Test Point) of measuring equipment
TP (test point) location on the board
VR (variable resistor) location on the board
Adjustment component
Tape for adjustment
Input signal for adjustment
Mode of VTR when adjusting
Measuring equipment
Specification for adjustment
Position of Input select switch

ELECTRICAL ADJUSTMENT PROCEDURES COMPARISON CHART

The following table show the comparison of adjustment procedures between AG-7700 , AG-8700 and AG-8600 .
The adjustment procedures in this manual are described only for the TBC section .
Please refer to the Service manual for AG-7700 for other sections , according to the following Comparison charts.

4-3 SERVO SECTION

No.	ADJ. No	ADJ.ITEM	MODE No.			REMARKS
			AG-7700	AG-8700	AG-8600	
1	4-3-1	PG Shifter Adj.	S/M Page 4-4	Refer to AG-7700 S/M	Refer to AG-7700 S/M	
2	4-3-2	Tracking Fix Adj.	S/M Page 4-4	Refer to AG-7700 S/M	Refer to AG-7700 S/M	

4-4 VIDEO REC SECTION

No.	ADJ. No	ADJ.ITEM	MODE No.			REMARKS
			AG-7700	AG-8700	AG-8600	
3	4-4-1	Peak Adj.	S/M Page 4-4	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
4	4-4-2	Supper Limiter Adj.	S/M Page 4-5	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
5	4-4-3	FSC Adj.	S/M Page 4-5	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
6	4-4-4	VCO Adj.	S/M Page 4-6	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
7	4-4-5	Pilot Burst Adj. (AG-8700only)	S/M Page 4-6	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF
8	4-4-6	Composite Level Adj. (AG-8700only)	S/M Page 4-6	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF
9	4-4-7	EE Y Level Adj Adj. (AG-8700only)	S/M Page 4-7	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF
10	4-4-8	Rec Sub Emphasis Input Adj. (AG-8700only)	S/M Page 4-7	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF
11	4-4-9	S-VHS Deviation Adj. (AG-8700only)	S/M Page 4-7	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF
12	4-4-10	VHS Deviation Adj. (AG-8700only)	S/M Page 4-8	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF
13	4-4-11	S-VHS White Clip & Dark Clip Adj. (AG-8700only)	S/M Page 4-8	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF
14	4-4-12	Video Meter Adj. (AG-8700only)	S/M Page 4-9	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF
15	4-4-13	Chroma Rec Current Adj. (AG-8700only)	S/M Page 4-9	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF
16	4-4-14	S-VHS Y Rec Current Adj. (AG-8700only)	S/M Page 4-9	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF
17	4-4-15	VHS Y Rec Current Adj. (AG-8700only)	S/M Page 4-10	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF

4-5 VIDEO PB SECTION

No.	ADJ. No	ADJ.ITEM	MODE No.			REMARKS
			AG-7700	AG-8700	AG-8600	
18	4-5-1	PB Sub Emphasis Input Level Adj.	S/M Page 4-10	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
19	4-5-2	S-VHS PB Y Level Adj.	S/M Page 4-11	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
20	4-5-3	VHS PB Y Level Adj.	S/M Page 4-11	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
21	4-5-4	Normal Y Level Adj.	S/M Page 4-12	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
22	4-5-5	Drop Out Adj.	S/M Page 4-12	Refer to AG-7700 S/M	Refer to AG-7700 S/M	SPEC : MINIMUM → MINIMUM (less than 80m Vp-p) <SET UP> TBC : OFF DNR : OFF
23	4-5-6	Video Tracking Meter Adj.	S/M Page 4-12	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
24	4-5-7	PB Output Y Level Adj.	S/M Page 4-13	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
25	4-5-8	S-VHS PB Frequency Response Adj.	S/M Page 4-14	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
26	4-5-9	S-VHS SS Frequency Response Adj.	S/M Page 4-14	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
27	4-5-10	VHS PB Frequency Response Adj.	S/M Page 4-15	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
28	4-5-11	CNR Y Balance Adj.	S/M Page 4-16	Refer to AG-7700 S/M	Refer to AG-7700 S/M	SPEC: "A" = less than 50mVp-p → "A" = less than 80mVp-p <SET UP> TBC : OFF DNR : OFF
29	4-5-12	CNR Adj.	S/M Page 4-16	Refer to AG-7700 S/M	Refer to AG-7700 S/M	SPEC : "A" = less than 700mVp-p → "A" = less than 500mVp-p <SET UP> TBC : OFF DNR : OFF
30	4-5-13	CAC White Balance Adj.	S/M Page 4-17	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
31	4-5-14	EE Chroma Level Adj. (AG-8700only)	S/M Page 4-17	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF
32	4-5-15	VV Chroma Level Adj.	S/M Page 4-18	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
33	4-5-16	CAC Level Adj.	S/M Page 4-18	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
34	4-5-17	VV Burst Error Adj.	S/M Page 4-19	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
35	4-5-18	Burst Level Adj.	S/M Page 4-20	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
36	4-5-19	PB S-VHS EDIT Y/C Delay Adj.	S/M Page 4-20	Refer to AG-7700 S/M	Refer to AG-7700 S/M	SPEC : 0nsec ± 30nsec →A=B±2% (Refer to Fig.E35) <SET UP> TBC : OFF DNR : OFF

No.	ADJ. No	ADJ.ITEM	MODE No.			REMARKS
			AG-7700	AG-8700	AG-8600	
37	4-5-20	PB VHS EDIT Y/C Delay Adj.	S/M Page 4-21	Refer to AG-7700 S/M	Refer to AG-7700 S/M	SPEC : On sec ± 30nsec →A=B±2% (Refer to Fig.E35) ≪SET UP≫ TBC : OFF DNR : OFF
38	4-5-21	CAC Y/C Delay Adj.	S/M Page 4-22	Refer to AG-7700 S/M	Refer to AG-7700 S/M	≪SET UP≫ TBC : OFF DNR : OFF
39	4-5-22	S-VHS Rec Delay Adj. (AG-8700only)	S/M Page 4-22	Refer to AG-7700 S/M	----	≪SET UP≫ TBC : OFF DNR : OFF
40	4-5-23	VHS Rec Delay Adj. (AG-8700only)	S/M Page 4-23	Refer to AG-7700 S/M	----	≪SET UP≫ TBC : OFF DNR : OFF
41	4-5-24	Artificial V-sync Adj.	S/M Page 4-24	Refer to AG-7700 S/M	Refer to AG-7700 S/M	≪SET UP≫ TBC : OFF DNR : OFF

4-6 AUDIO SECTION

No.	ADJ. No	ADJ.ITEM	MODE No.			REMARKS
			AG-7700	AG-8700	AG-8600	
42	4-6-1	Normal Audio Input Level Adj. (AG-8700only)	S/M Page 4-24	Refer to AG-7700 S/M	----	
43	4-6-2	Hi-Fi Audio Input Level Adj. (AG-8700only)	S/M Page 4-24	Refer to AG-7700 S/M	----	
44	4-6-3	Audio Jack Output Balance Adj.	S/M Page 4-24	Refer to AG-7700 S/M	Refer to AG-7700 S/M	
45	4-6-4	Audio Level Meter Adj.	S/M Page 4-25	Refer to AG-7700 S/M	Refer to AG-7700 S/M	
46	4-6-5	Normal Audio PB Frequency Response Adj.	S/M Page 4-26	Refer to AG-7700 S/M	Refer to AG-7700 S/M	
47	4-6-6	Normal Audio PB Gain Adj. (AG-8700only)	S/M Page 4-26	Refer to AG-7700 S/M	----	
48	4-6-7	Normal Audio Erase Current Adj.	S/M Page 4-27	Refer to AG-7700 S/M	----	
49	4-6-8	Normal Audio Bias Current Adj. (AG-8700only)	S/M Page 4-27	Refer to AG-7700 S/M	----	SPEC : S-VHS : 6.7 ± 0.1m Vrms → S-VHS : 6.7 ± 0.5m Vrms VHS : 5.0 ± 0.1m Vrms → VHS : 5.0 ± 0.5m Vrms
50	4-6-9	Normal Audio Rec Current Adj. (AG-8700only)	S/M Page 4-28	Refer to AG-7700 S/M	----	
51	4-6-10	Normal Audio Time Code	S/M Page 4-28	Refer to AG-7700 S/M	Refer to AG-7700 S/M	
52	4-6-11	Hi-Fi Audio Head Switching Shifter Adj.	S/M Page 4-29	Refer to AG-7700 S/M	Refer to AG-7700 S/M	
53	4-6-12	Hi-Fi Audio Carrier Frequency Adj.	S/M Page 4-29	Refer to AG-7700 S/M	Refer to AG-7700 S/M	
54	4-6-13	Hi-Fi Audio Deviation Adj. (AG-8700only)	S/M Page 4-30	Refer to AG-7700 S/M	----	
55	4-6-14	Hi-Fi Audio Rec Current Adj. (AG-8700only)	S/M Page 4-30	Refer to AG-7700 S/M	----	
56	4-6-15	Normal Audio Output Level Adj. (AG-8600only)	S/M Page 4-30	----	Refer to AG-7700 S/M	

4-7 OTHER SECTION

No.	ADJ. No	ADJ.ITEM	MODE No.			REMARKS
			AG-7700	AG-8700	AG-8600	
57	4-7-1	VITC Mute Pulse Adj. (AG-8700only)	S/M Page 4-31	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF
58	4-7-2	OSD Character Width Adj.	S/M Page 4-31	Refer to AG-7700 S/M	Refer to AG-7700 S/M	<SET UP> TBC : OFF DNR : OFF
59	4-7-3	Flying Erase Current Adj. (AG-8700only)	S/M Page 4-32	Refer to AG-7700 S/M	----	<SET UP> TBC : OFF DNR : OFF

4-8. TBC SECTION

4-8-1. Y A/D INPUT (1) ADJ.

A. FOR AG-8700

BOARD	TBC (1) C.B.A. (E11)
TP	TP8201 (B-1)
ADJ.	VR8202 (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	OSCILLOSCOPE
SPEC.	1.5V ± 0.05V

≪ SET UP ≫

VIDEO MODE : COLOR (MENU NO.2002)
PB/EE SELECT : EE (MENU NO.2004)
TBC SW : ON
INPUT SW : LINE

1. Connect the oscilloscope to TP8201.
2. Adjust VR8202 so that the level becomes 1.5V ± 0.05V as shown in Figure E1.

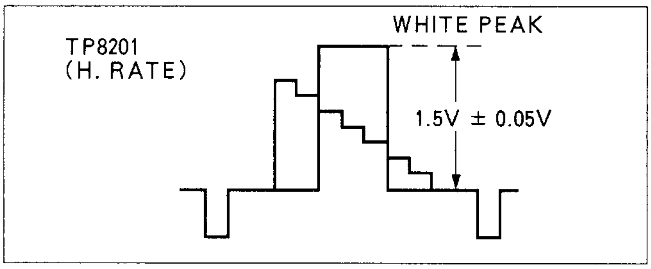


Figure E1

B. FOR AG-8600

BOARD	TBC (1) C.B.A. (E11)
TP	TP8201 (B-1)
ADJ.	VR8202 (B-1)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	1.5V ± 0.05V

≪ SET UP ≫

IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON

1. Play back the color bar signal recorded by other recorder in the S-VHS mode.
2. Connect the oscilloscope to TP8201.
3. Adjust VR8202 so that the level becomes 1.5V ± 0.05V as shown in Figure E1.

4-8-2. Y A/D INPUT (2) ADJ.

A. FOR AG-8700

BOARD	TBC (1) C.B.A. (E11)
TP	VIDEO OUT
ADJ.	VR8201 (C-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	OSCILLOSCOPE
SPEC.	0 ± 10mV

≪ SET UP ≫

TBC CONTROL : CENTER POSITION (OSD)
VIDEO MODE : COLOR (MENU NO.2002)
PB/EE SELECT : EE (MENU NO.2004)
TBC SW : ON
INPUT SW : LINE

1. Connect the oscilloscope to VIDEO OUT.
2. Adjust VR8201 so that the set-up level becomes 0 ± 10mV as shown in Figure E2.

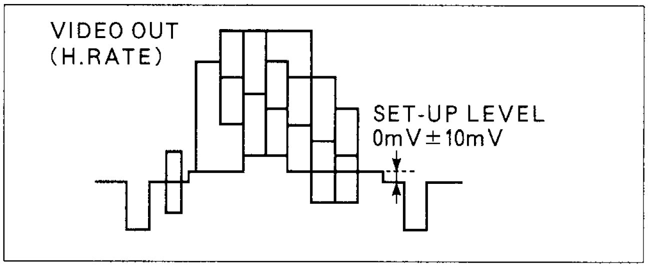


Figure E2

B. FOR AG-8600

BOARD	TBC (1) C.B.A. (E11)
TP	VIDEO OUT
ADJ.	VR8201 (B-1)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0mV ± 10mV

≪ SET UP ≫

TBC CONTROL : CENTER POSITION (OSD)
IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON

1. Play back the color bar signal recorded by other recorder in the S-VHS mode.
2. Connect the oscilloscope to VIDEO OUT.
3. Adjust VR8201 so that the set-up level becomes 0mV ± 10mV as shown in Figure E2.

4-8-3. C A/D INPUT (1) ADJ.

A. FOR AG-8700

BOARD	TBC (1) C.B.A. (E11)
TP	TP8202 (R)(B-1), TP8203 (B)(A-1)
ADJ.	VR8204 (R-Y)(B-1), VR8205 (B-Y)(B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	OSCILLOSCOPE
SPEC.	A=2.1Vp-p ± 0.05V B=1.5Vp-p ± 0.05V

≪ SET UP ≫

VIDEO MODE : COLOR (MENU NO.2002)
PB/EE SELECT : EE (MENU NO.2004)
TBC SW : ON
INPUT SW : LINE

1. Connect the oscilloscope to TP8202.
2. Adjust VR8204 so that the level becomes 2.1Vp-p ± 0.05Vp-p as shown in Figure E3-A.

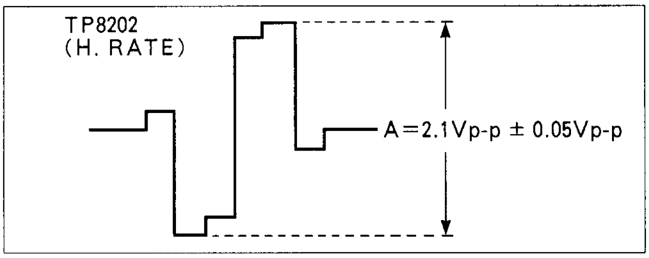


Figure E3-A

3. Connect the oscilloscope to TP8203.
4. Adjust VR8205 so that the level becomes 1.5Vp-p ± 0.05Vp-p as shown in Figure E3-B.

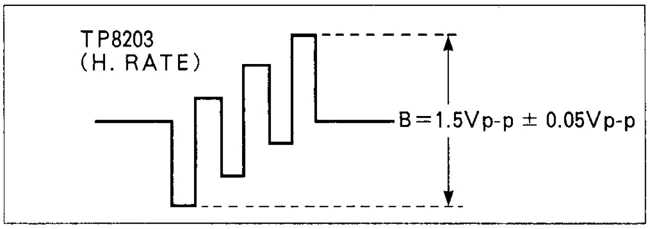


Figure E3-B

B. FOR AG-8600

BOARD	TBC (1) C.B.A. (E11)
TP	TP8202 (R)(B-1), TP8203 (B)(A-1)
ADJ.	VR8204 (R-Y)(A-1), VR8205 (B-Y)(A-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAY BACK
M. EQ	OSCILLOSCOPE
SPEC.	A=2.1Vp-p ± 0.05V B=1.5Vp-p ± 0.05V

≪ SET UP ≫

IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON

1. Play back the color bar signal recorded by other recorder in the S-VHS mode.
2. Connect the oscilloscope to TP8202.
3. Adjust VR8204 so that the level becomes 2.1Vp-p ± 0.05Vp-p as shown in Figure E3-A.
4. Connect the oscilloscope to TP8203.
5. Adjust VR8205 so that the level becomes 1.5Vp-p ± 0.05Vp-p as shown in Figure E3-B.

4-8-4. C A/D INPUT (2) ADJ.

A. FOR AG-8700

BOARD	TBC (1) C.B.A. (E11)
TP	COMPONENT OUT (PB, PR)
ADJ.	VR8203 (B-1), VR8302 (C-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	W.F.M. or OSCILLOSCOPE
SPEC.	0mV ± 10mV

≪ SET UP ≫

VIDEO MODE : COLOR (MENU NO.2002)
PB/EE SELECT : EE (MENU NO.2004)
TBC SW : ON
INPUT SW : LINE

1. Connect the W.F.M. to Component PR OUT.
2. Adjust VR8203 so that the level in figure becomes minimum (0mV ± 10mV) as shown in Figure E4-A.

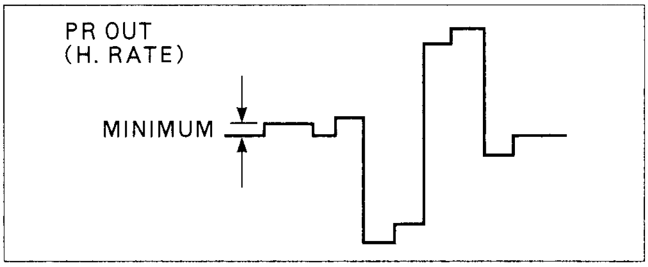


Figure E4-A

3. Connect the W.F.M. to Component PB OUT.
4. Adjust VR8302 so that the level becomes minimum (0mV ± 10mV) as shown in Figure E4-B.

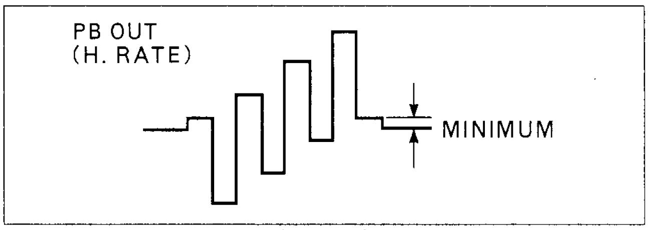


Figure E4-B

B. FOR AG-8600

BOARD	TBC (1) C.B.A. (E11)
TP	COMPONENT OUT (PB, PR)
ADJ.	VR8203 (B-1), VR8302 (E-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	W.F.M. or OSCILLOSCOPE
SPEC.	0mV ± 10mV

≪ SET UP ≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON

1. Play back the color bar signal recorded by other recorder in the S-VHS mode.
2. Connect the W.F.M. to Component PR OUT.
3. Adjust VR8203 so that the level becomes minimum (0mV ± 10mV) as shown in Figure E3-A.
4. Connect the W.F.M. to Component PB OUT.
5. Adjust VR8302 so that the level becomes minimum (0mV ± 10mV) as shown in Figure E3-B.

4-8-5. Y D/A REF. DC ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	TP8052 (F-1)
ADJ.	VR8001 (F-1)
TAPE	
INPUT	COLOR BAR
MODE	EJECT
M. EQ	VTVM or DVM
SPEC.	4.1V ± 0.05V

≪ SET UP ≫
TBC CONTROL : CENTER POSITION (OSD)
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON
INPUT SW : LINE

1. Connect the VTVM or DVM to TP8052.
2. Adjust VR8001 so that the DC voltage becomes 4.1V ± 0.05V.

4-8-6. C A/D OUTPUT LEVEL ADJ.

A. FOR AG-8700

BOARD	TBC (1) C.B.A. (E11)
TP	TP8051 (F-1)
ADJ.	VR8002 (E-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	V.T.V.M. or D.V.M.
SPEC.	3.5V ± 0.05V

≪ SET UP ≫
TBC CONTROL : CENTER POSITION (OSD)
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON
INPUT SW : LINE

1. Connect the V.T.V.M. or D.V.M. to TP8051.
2. Adjust VR8002 so that the DC voltage becomes 3.5V ± 0.05V.

B. FOR AG-8600

BOARD	TBC (1) C.B.A. (E11)
TP	TP8051 (F-1)
ADJ.	VR8002 (F-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	V.T.V.M. or D.V.M.
SPEC.	3.5V ± 0.05V

≪ SET UP ≫
TBC CONTROL : CENTER POSITION (OSD)
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON

1. Play back the color bar signal recorded by other recorder in the S-VHS mode.
2. Connect the V.T.V.M. or D.V.M. to TP8051.
3. Adjust VR8002 so that the DC voltage becomes 3.5V ± 0.05V.

4-8-7. READ CLOCK FREQ. ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	TP8502 (E-1)
ADJ.	VC8501 (E-1)
TAPE	
INPUT	COLOR BAR (REF IN)
MODE	EJECT
M. EQ	FREQ. COUNTER
SPEC.	28.4385MHz ± 100Hz

≪ SET UP ≫
TBC SW : ON
INPUT SELECT : LINE

1. Connect the frequency counter to TP8502.
2. Adjust VC8501 so that the frequency becomes 28.4385MHz ± 100Hz.

4-8-8. S/H ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	TP8603 (A-4), TP8604 (B-1)
ADJ.	VR8601 (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF. IN)
MODE	EJECT (E-E)
M. EQ	OSCILLOSCOPE
SPEC.	A=B±10%

≪ SET UP ≫
TBC SW : ON
INPUT SELECT : LINE

1. Supply a color bar signal to the REF. IN.
2. Connect the scope to TP8603 for CH-1 and TP8604 for CH-2.
3. Adjust VR8601 so that the position of S/H pulse (TP8604) becomes as shown in Figure E5.

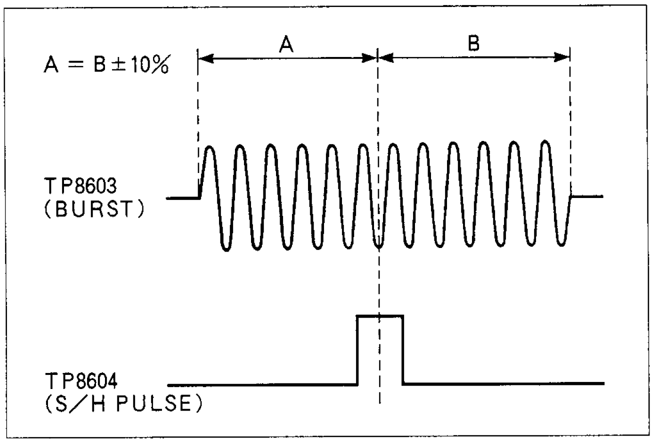


Figure E5

4-8-9. 17.7MHz VCO ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	TP8606 (A-1)
ADJ.	VC8671 (A-2)
TAPE	
INPUT	COLOR BAR SIGNAL (REF IN)
MODE	EJECT (E-E)
M. EQ	OSCILLOSCOPE
SPEC.	0V ± 0.1V

≪ SET UP ≫
TBC SW : ON
INPUT SELECT : LINE

1. Supply a color bar signal to the REF INPUT.
2. Connect the scope to TP8606.
3. Adjust VC8671 so that the DC Voltage become 0 ± 0.1V.

4-8-10. REF. SCH ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	TP8609 (C-2), TP8610 (C-2)
ADJ.	VR8603 (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF. & LINE)
MODE	EJECT (E-E)
M. EQ	OSCILLOSCOPE
SPEC.	A = B±10%

≪ NOTE ≫
SCH of a color bar signal (REF. & LINE) should be 0° .

≪ SET UP ≫
TBC SW : ON
INPUT SELECT : LINE

1. Connect the scope to TP8609 for CH1 and TP8610 for CH2.
2. Adjust VR8603 so that the timing of the signals at TP8609 and TP8610 is as shown in Figure E6

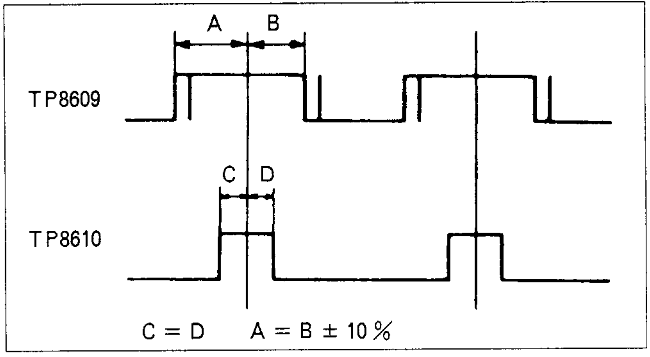


Figure E6

4-8-11. C COMP. OUT LEVEL ADJ.

BOARD	TBC (1) (E11), TBC (2) C.B.A. (E12)
TP	COMPONENT OUT
ADJ.	VR8810 (PR) (F-1,TBC2) VR8811 (PB) (G-1,TBC2) VR8206 (A-1 , TBC1)
TAPE	
INPUT	COLOR BAR
MODE	EJECT
M. EQ	COMPONENT VECTOR SCOPE
SPEC.	FIG.E7

≪ SET UP ≫
TBC CONTROL : CENTER POSITION (OSD)
VIDEO MODE : COLOR (MENU NO.2002)
PB／EE SELECT : EE (MENU NO.2004)
TBC SW : ON
INPUT SW : LINE

1. Connect the component output to COMPONENT VECTOR SCOPE.
2. Adjust VR8810,VR8811 and VR8206 so that the all vectors are stakitiged as as shown in Figure E7.

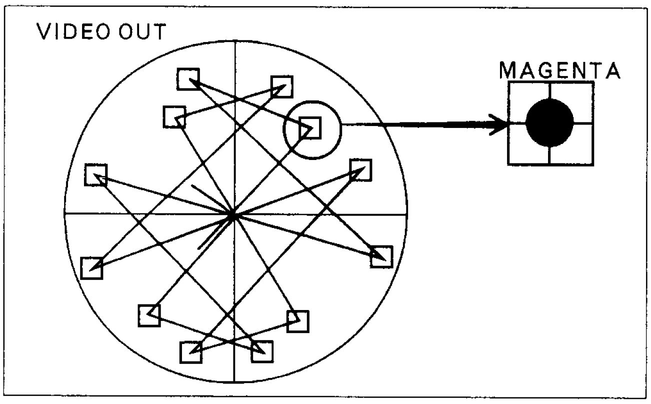


Figure E7

4-8-12. DECORDER APC ADJ.

A. FOR AG-8700

BOARD	TBC (1) C.B.A. (E11)
TP	VIDEO OUT (75Ω)
ADJ.	VR8207 (A-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	VECTORSCOPE
SPEC.	FIG. E8

≪ NOTE ≫
The Video output should be terminated by 75Ω.

≪ SET UP ≫
TBC CONTROL : CENTER POSITION (OSD)
VIDEO MODE : COLOR (MENU NO.2002)
PB／EE SELECT : EE (MENU NO.2004)
TBC SW : ON
INPUT SW : LINE

1. Connect the vectorscope to the COMPONENT outtput.
2. Adjust VR8207 so that the two vectors are closed as possible shown in Figure E8.

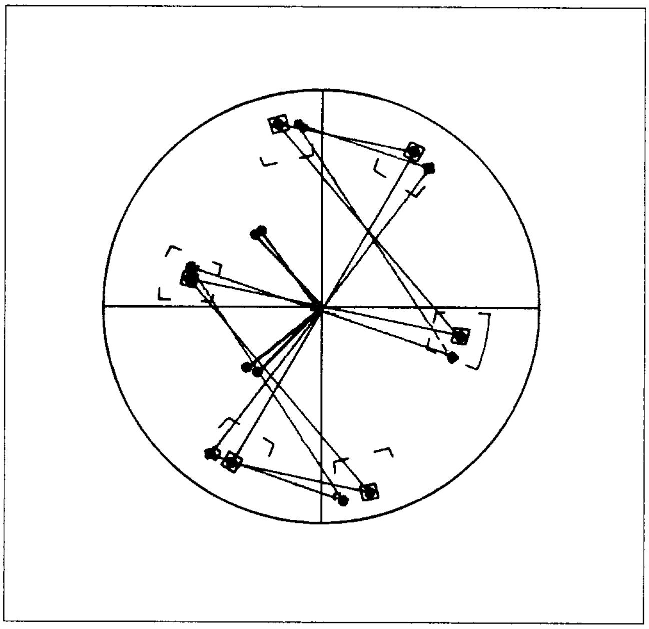


Figure E8

B. FOR AG-8600

BOARD	TBC (1) C.B.A. (E11)
TP	VIDEO OUT (75Ω)
ADJ.	VR8207 (A-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	EJECT (E-E)
M. EQ	VECTORSCOPE
SPEC.	FIG. E8

≪ NOTE ≫
The Video output should be terminated by 75Ω.
≪ SET UP ≫
TBC CONTROL : CENTER POSITION (OSD)
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON

1. Play back the color bar signal recorded by other recorder in the S-VHS mode.
2. Connect the vectorscope to VIDEO OUTPUT.
3. Set the vectorscope in the EXT mode and connect as shown Figure E8.
4. Adjust VR8207 so that the all vectors are stabilized as shown in Figure E8.

4-8-13. Y OUTPUT LEVEL ADJ.

A. FOR AG-8700

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8804 (F-2)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	OSCILLOSCOPE
SPEC.	0.7Vp-p ± 0.05Vp-p

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫
TBC CONTROL : CENTER POSITION (OSD)
VIDEO MODE : COLOR (MENU NO.2002)
PB/EE SELECT : EE (MENU NO.2004)
TBC SW : ON
INPUT SW : LINE

1. Connect the oscilloscope to VIDEO OUT.
2. Adjust VR8804 so that the Y level becomes 0.7Vp-p ± 0.05Vp-p as shown in Figure E9.

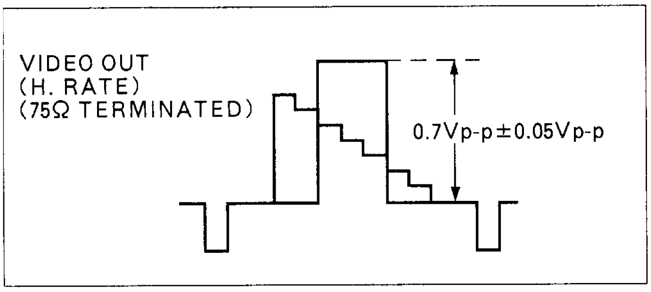


Figure E9

B. FOR AG-8600

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8804 (F-2)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0.7V ± 0.05V

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫
TBC CONTROL : CENTER POSITION (OSD)
IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON

1. Play back the color bar signal recorded by other recorder in the S-VHS mode.
2. Connect the oscilloscope to VIDEO OUT.
3. Adjust VR8804 so that the Y level becomes 0.7V ± 0.05V as shown in Figure E9.

4-8-14. SYNC LEVEL ADJ.

A. FOR AG-8700

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8803 (F-2)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	OSCILLOSCOPE
SPEC.	0.3Vp-p ± 0.03Vp-p

≪ NOTE ≫
This adjustment should be performed only after completion of 4-8-13. Y Output Level Adj.
VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫
TBC CONTROL : CENTER POSITION (OSD)
VIDEO MODE : COLOR (MENU NO.2002)
PB/EE SELECT : EE (MENU NO.2004)
VIDEO LEVEL control : PUSH (AGC : ON)
TBC SW : ON
INPUT SW : LINE

1. Connect the oscilloscope to VIDEO OUT.
2. Adjust VR8803 so that the SYNC level becomes 0.3Vp-p ± 0.03V as shown in Figure E10.

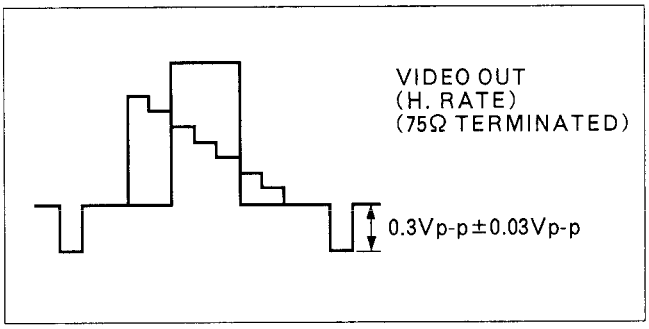


Figure E10

B. FOR AG-8600

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8803 (F-2)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0.3V ± 0.03V

≪ NOTE ≫
This adjustment should be performed only after completion of 7-5-4. Y Output Level Adj.
VIDEO OUT should be 75Ω terminated.
≪ SET UP ≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)
TBC CONTROL : CENTER POSITION (OSD)
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW :ON

1. Play back the color bar signal recorded by other recorder in the S-VHS mode.
2. Connect the oscilloscope to VIDEO OUT.
3. Adjust VR8804 so that the SYNC level becomes 0.3V ± 0.03V as shown in Figure E10.

4-8-15. CARRIER BALANCE ADJ.

A. FOR AG-8700

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8807 (E-1), VR8808 (F-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	VECTORSCOPE
SPEC.	FIG. E11

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫
TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)
INPUT SW : LINE
TBC SW : ON
VIDEO LEVEL control : PUSH (AGC : ON)

1. Connect the vectorscope to VIDEO OUT and adjust VR8807 and VR8808 so that the point "C" becomes center of the vector scope as shown in Figure E11.

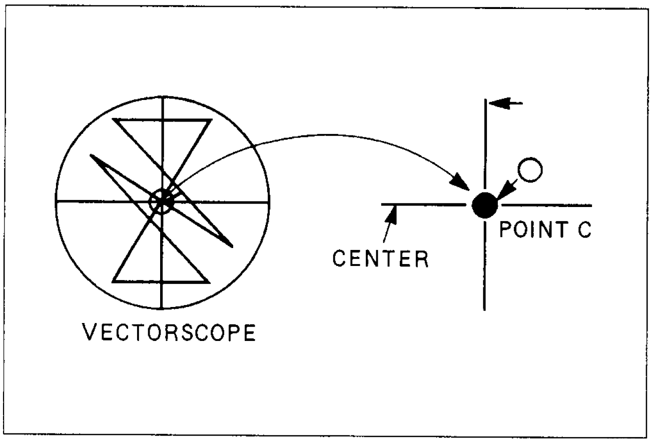


Figure E11

B. FOR AG-8600

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8807 (E-1), VR8808 (F-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	VECTORSCOPE
SPEC.	FIG. E11

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.
≪ SET UP ≫
TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON

1. Play back the color bar signal recorded by other recorder in the S-VHS mode.
2. Connect the vectorscope to VIDEO OUT and adjust VR8807 and VR8808 so that the point "C" becomes center of the vector scope as shown in Figure E11.

4-8-16. BURST LEVEL ADJ.

A. FOR AG-8700

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8806 (E-1),VR8809(F-1),VR8815(D-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	VECTORSCOPE
SPEC.	FIG. E12

≪ NOTE ≫
This adjustment should be performed only after completion of 4-8-15. Carrier Balance Adj.
VIDEO OUT should be 75Ω terminated.
≪ SET UP ≫
TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)
INPUT SW : LINE
TBC SW : ON
VIDEO LEVEL control : PUSH (AGC : ON)

1. Connect the vectorscope to VIDEO OUT.
2. Adjust the vectorscope so that the burst signal becomes 75%.
3. Adjust VR8806,VR8809 and VR8815 so that the burst signal becomes 75% as shown in Figure E12.

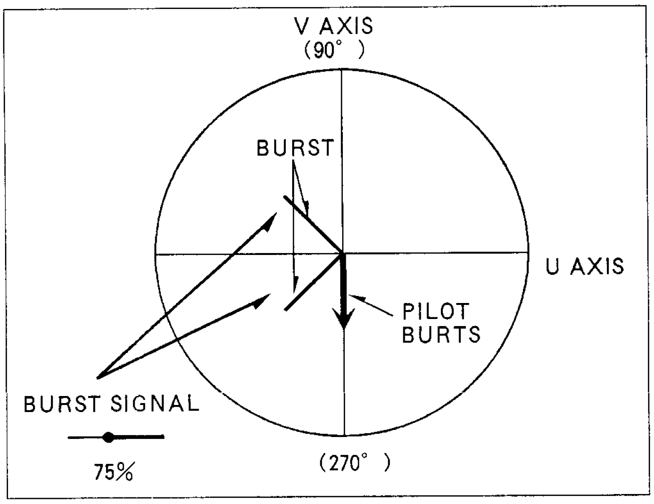


Figure E12

B. FOR AG-8600

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8806 (E-1),VR8809(F1),VR8815(D-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	VECTORSCOPE
SPEC.	FIG. E12

≪ NOTE ≫

This adjustment should be performed only after completion of 4-8-15. Carrier Balance Adj.
VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫

TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON

1. Play back the color bar signal recorded by other recorder in the S-VHS mode.
2. Connect the vectorscope to VIDEO OUT.
3. Adjust VR8806,VR8809,VR8815 that the burst signal becomes 75% as shown in Figure E12.

4-8-17. CHROMA VECTOR BALANCE ADJ.

A. FOR AG-8700

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8801 (E-1), VR8802 (E-1), VR8815 (D-1) VC8801 (D-2)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	VECTORSCOPE
SPEC.	FIG. E13

≪ NOTE ≫

VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫

TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON
INPUT SW : LINE
VIDEO LEVEL control : PUSH (AGC : ON)

1. Connect the vectorscope to VIDEO OUT.
2. Adjust VR8801,VR8802 , VR8815 and VC8801 so that the all vectors except the burst phase become correct position as shown in Figure E13.

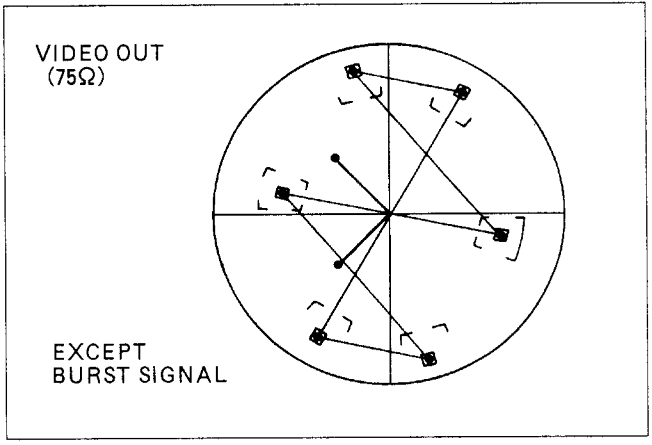


Figure E13

B. FOR AG-8600

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8801 (E-1), VR8802 (E-1), VR8815 (D-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	VECTORSCOPE
SPEC.	FIG. E13

≪ NOTE ≫

VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫

TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON

1. Play back the color bar signal recorded by other recorder in the S-VHS mode.
2. Connect the vectorscope to VIDEO OUT.
3. Adjust VR8801,VR8802 and VR8815,VR8801 so that the all vectors except the burst phase become correct position as shown in Figure E13.

4-8-18. CHROMA PHASE ADJ.

A. FOR AG-8700

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8814 (D-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	VECTORSCOPE
SPEC.	FIG. E14

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.
≪ SET UP ≫
TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON
INPUT SW : LINE
VIDEO LEVEL control : PUSH (AGC : ON)

1. Connect the vectorscope to VIDEO OUTPUT.
2. Adjust the vectorscope so that the burst signal becomes 75%
3. Adjust VR8814 so that the vector dot of magenta becomes in the innerbox as shown in Figure E14.

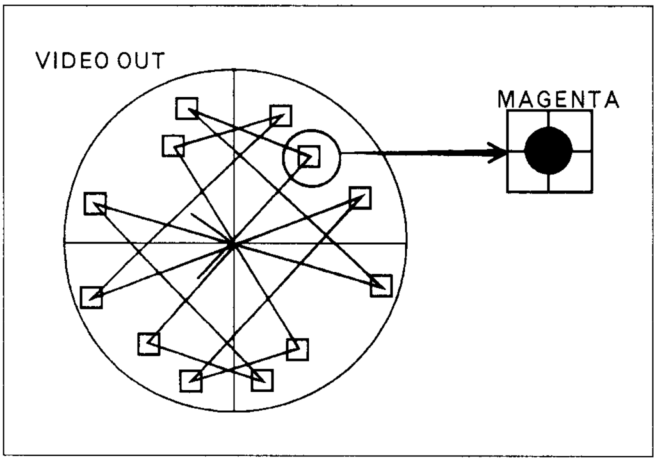


Figure E14

B. FOR AG-8600

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8814 (D-1)
TAPE	COLOR BAR RECODED TAPE (S-VHS)
INPUT	
MODE	PLAY BACK
M. EQ	VECTORSCOPE
SPEC.	FIG. E14

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.
≪ SET UP ≫
TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)
VIDEO LEVEL control : PUSH (AGC : ON)
TBC SW : ON

1. Connect the vectorscope to VIDEO OUTPUT.
2. Play back the color bar signal recorded by other recorder in the S-VHS mode.
3. Adjust the vectorscope so that the burst signal becomes 75%.
4. Adjust VR8814 so that the vector dot of magenta becomes in the innerbox shown in Figure E14.

4-8-19. SCH PHASE ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	SW8701 (C-1), VR8602 (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF. & LINE)
MODE	EJECT (E-E)
M. EQ	SCH METER
SPEC.	0 ± 2°

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.
SCH of a color bar signal (REF. & LINE) should be 0°.
Trigger of SCH METER should be EXT.
≪ SET UP ≫
VIDEO MODE : COLOR (MENU NO.2002)
PB/EE SELECT : EE (MENU NO.2004)
TBC SW : ON
INPUT SW : LINE

1. Connect the SCH Meter as shown in Figure E15-A.
2. Adjust SW8701 and VR8602 so that the SCH phase becomes 0° ± 2° as shown in Figure E15-A.

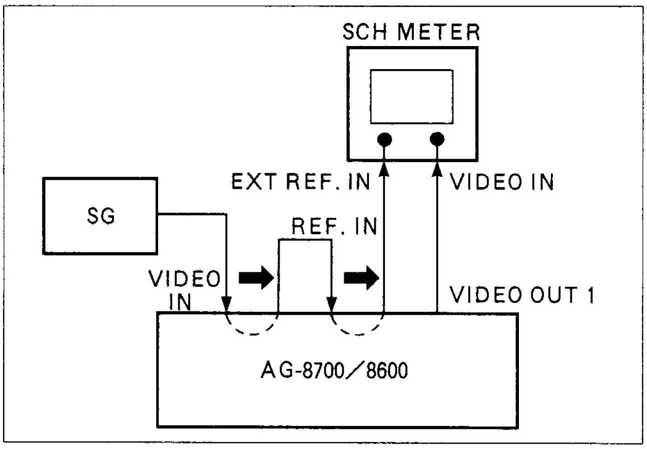


Figure E15-A

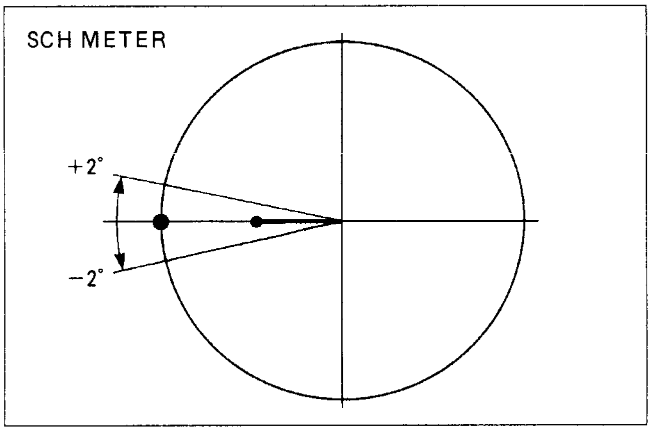

SCH METER
+2°
−2°

Figure E15-B

4-8-20. SYSTEM H PHASE ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	REF VIDEO, VIDEO OUT (75Ω)
ADJ.	VR8701 (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF.)
MODE	EJECT (E-E)
M. EQ	OSCILLOSCOPE
SPEC.	FIG. E42-B

≪ NOTE ≫

VIDEO OUT should be 75Ω terminated.
SCH of color bar signal (REF.) should be 0°.

≪ SET UP ≫

VIDEO MODE : COLOR (MENU NO.2002)
TBC CONTROL (SYSTEM H PHASE) : CENTER (OSD)
TBC SW : ON
INPUT SW : LINE

1. Connect the scope as shown in Figure E16-A.
2. Adjust VR8701 so that the H phase of these signals are the same as shown in Figure E16-B.

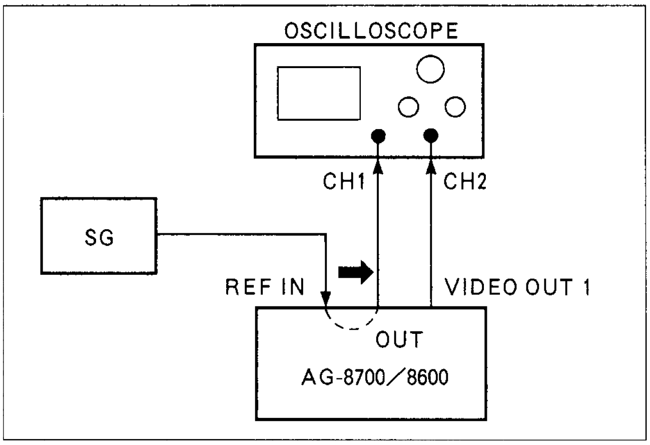

OSCILLOSCOPE
CH1
CH2
SG
REF IN
VIDEO OUT 1
OUT
AG-8700/8600

Figure E16-A

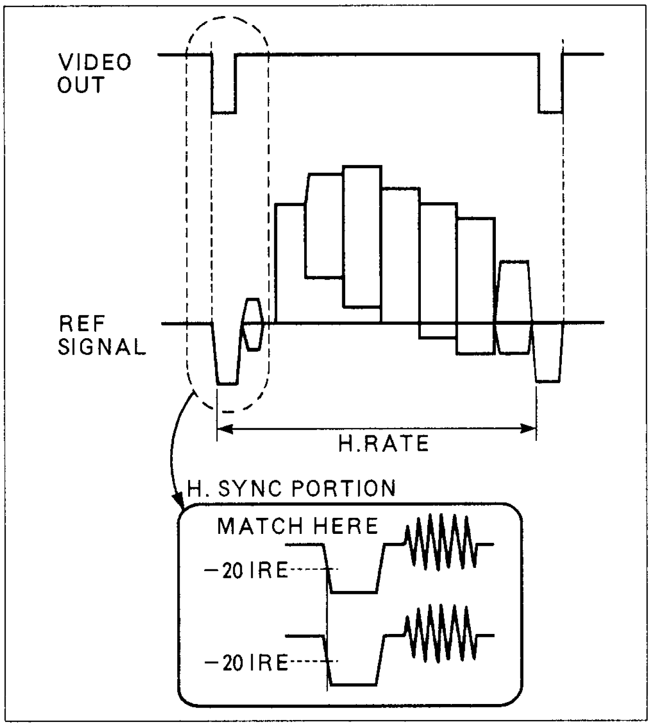

VIDEO OUT
REF SIGNAL
H.RATE
H. SYNC PORTION
MATCH HERE
−20 IRE
−20 IRE

Figure E16-B

4-8-21. Y/C TIMING ADJ.

A. FOR AG-8700

BOARD	TBC (1) C.B.A. (E11)
TP	VIDEO OUT (75Ω)
ADJ.	VR8152 (D-1)
TAPE	
INPUT	SIN² PULSE & BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	W.F.M. or OSCILLOSCOPE
SPEC.	A=B ± 3%

≪ NOTE ≫

VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫

TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON
INPUT SW : LINE

1. Connect the oscilloscope (W.F.M.) to VIDEO OUT and expanded the "A" portion as shown in Figure E17-A.
3. Adjust VR8152 so that the waveform becomes as shown in Figure E17-B.

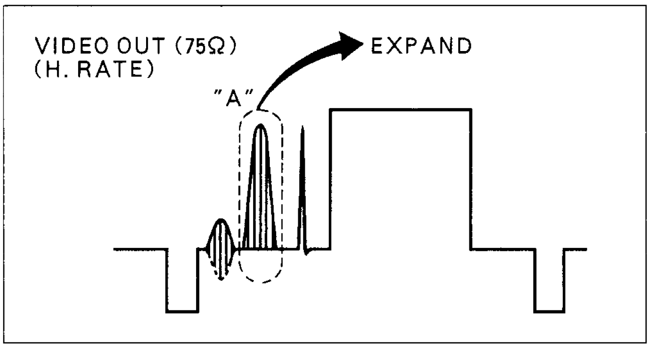


Figure E17-A

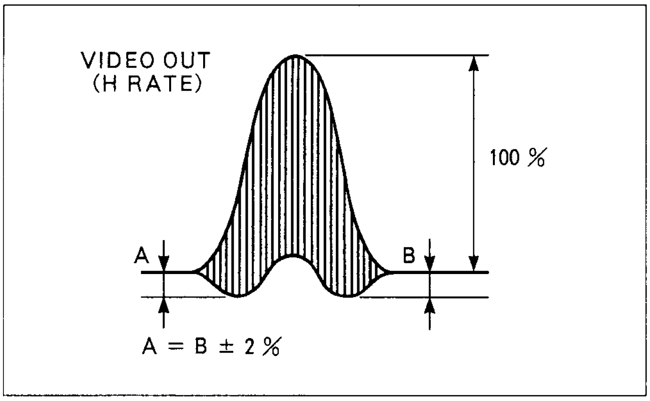


Figure E17-B

B. FOR AG-8600

BOARD	TBC (1) C.B.A. (E11)
TP	VIDEO OUT (75Ω)
ADJ.	VR8152 (D-1)
TAPE	SIN² PULSE & BAR SIGNAL OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAY
M. EQ	OSCILLOSCOPE or W.F.M.
SPEC.	A=B ± 3%

≪ NOTE ≫

VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫

IMAGE MODE SELECT : NORMAL (MENU NO.2001)
TBC SW : ON

1. Play back the SIN² PULSE & BAR SIGNAL recorded by other recorder in the S-VHS mode.
2. Connect the oscilloscope (W.F.M.) to VIDEO OUT and expanded the "A" portion as shown in Figure E17-A.
3. Adjust VR8152 so that the waveform becomes as shown in Figure E17-B.

4-8-22. VIDEO PHASE ADJ.

A. FOR AG-8700

BOARD	TBC (1) C.B.A. (E-11)
TP	VIDEO OUT (75Ω)
ADJ.	VR8151 (D-1)
TAPE	
INPUT	SIN² PULSE & BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	W.F.M. or OSCILLOSCOPE
SPEC.	FIG. E18

≪ NOTE ≫

VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫

VIDEO MODE : COLOR (MENU NO.2002)
PB/EE SELECT : EE (MENU NO.2004)
INPUT SW : LINE
TBC : ON/OFF

1. Connect a scope (W.F.M.) to VIDEO OUTPUT.
2. Expand the pulse portion as shown in Figure E114.
3. Select the TBC switch on the front panel to the ON and OFF alternately and adjust VR8151 so that the timing of the pulse portion becomes the same in the local mode and by-pass mode as shown in Figure E18.

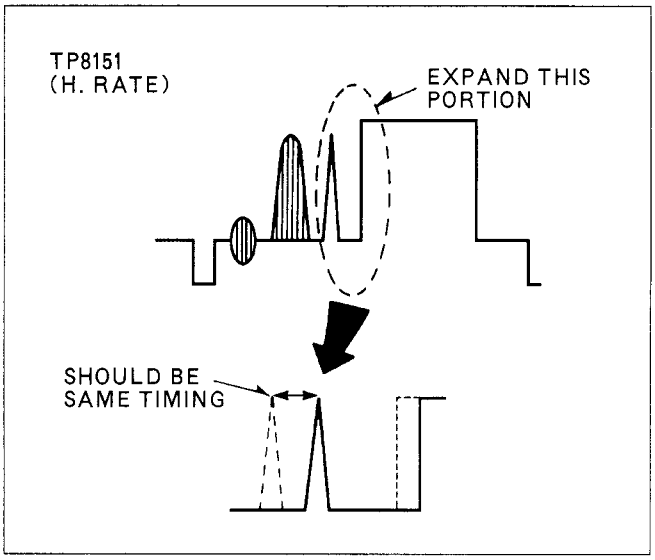


Figure E18

B. FOR AG-8600

BOARD	TBC (1) C.B.A. (E-11)
TP	VIDEO OUT (75Ω)
ADJ.	VR8151 (D-1)
TAPE	
INPUT	SIN^2 PULSE & BAR SIGNAL OTHER RECORDED TAPE (S-VHS)
MODE	PLAYBACK
M. EQ	W.F.M. or OSCILLOSCOPE
SPEC.	FIG. E18

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.
≪ SET UP ≫
VIDEO MODE : COLOR (MENU NO.2002)
INPUT SW : LINE
TBC : ON/OFF

1. Play back the SIN^2 PULSE & BAR SIGNAL recorded by other recorder in the S-VHS mode.
2. Connect a scope (W.F.M.) to VIDEO OUTPUT.
3. Expand the pulse portion as shown in Figure E18.
4. Select the TBC switch on the front panel to the ON and OFF alternately and adjust VR8151 so that the timing of the pulse portion becomes the same in the local mode and by-pass mode as shown in Figure E18.

4-8-23. BURST POSITION ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8805 (D-1)
TAPE	
INPUT	COLOR BAR SIGNAL (LINE)
MODE	EJECT (E-E)
M. EQ	W.F.M. or OSCILLOSCOPE
SPEC.	5.6 μsec ± 0.1 μsec

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.
≪ SET UP ≫
TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)
TBC SW : ON
INPUT SW : LINE
VIDEO LEVEL control : PUSH (AGC : ON)

1. Connect the W.F.M. to VIDEO OUT.
2. Adjust VR8805 so that the period of H. Sync (down edge) to Burst signal (Burst start point) becomes 5.6 μsec ± 0.1 μsec as shown in Figure E19.

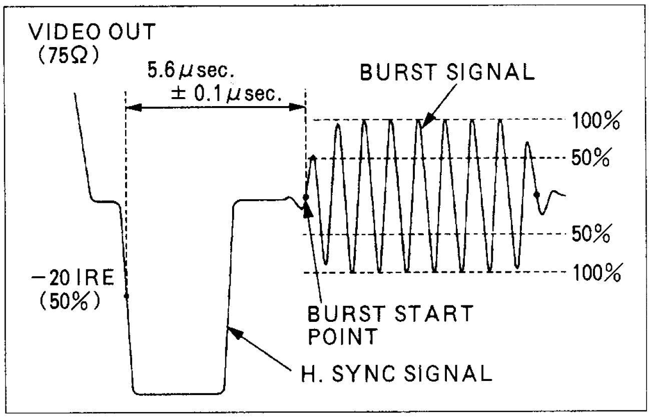
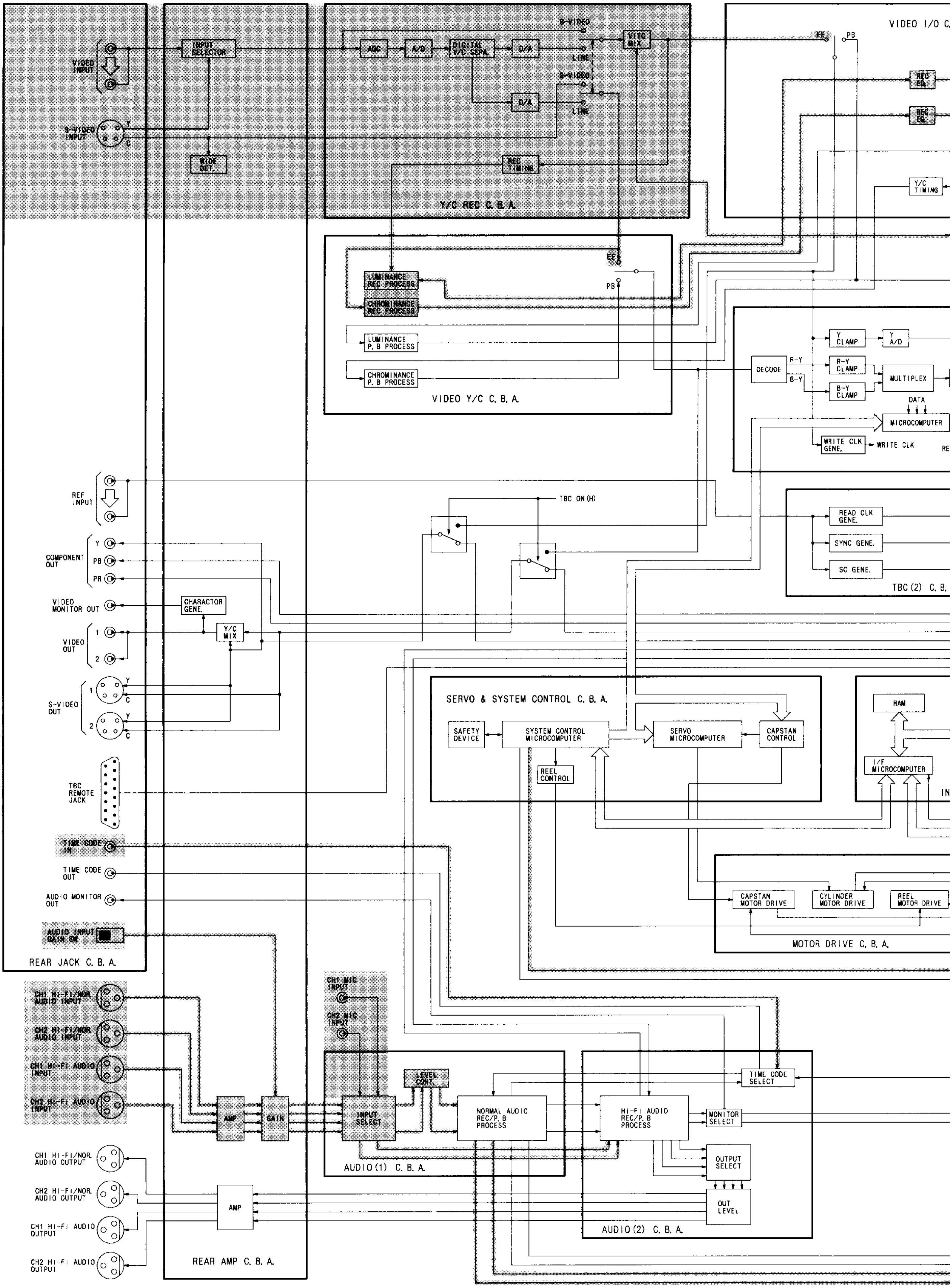
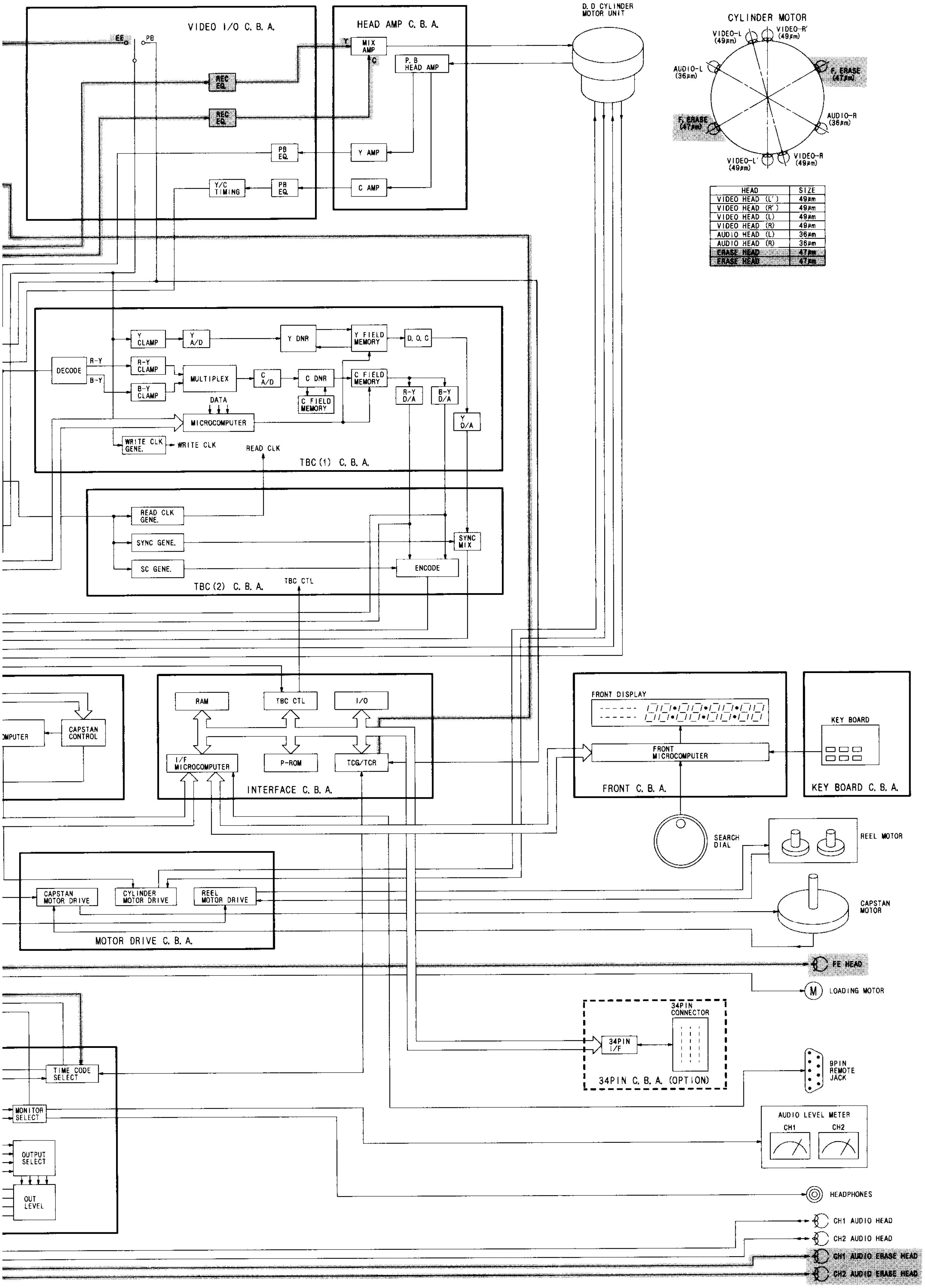


Figure E19

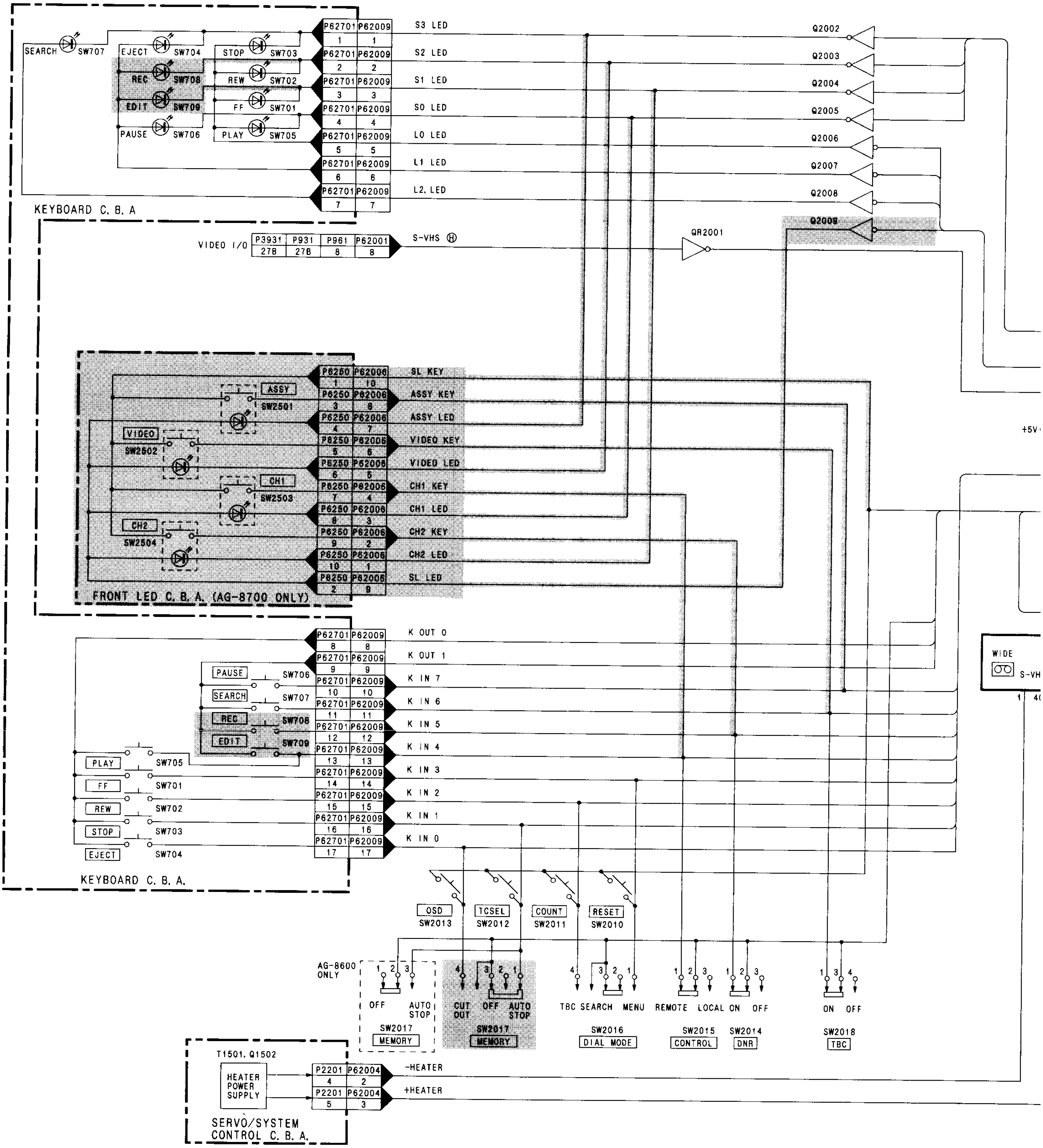
OVERALL BLOCK DIAGRAM

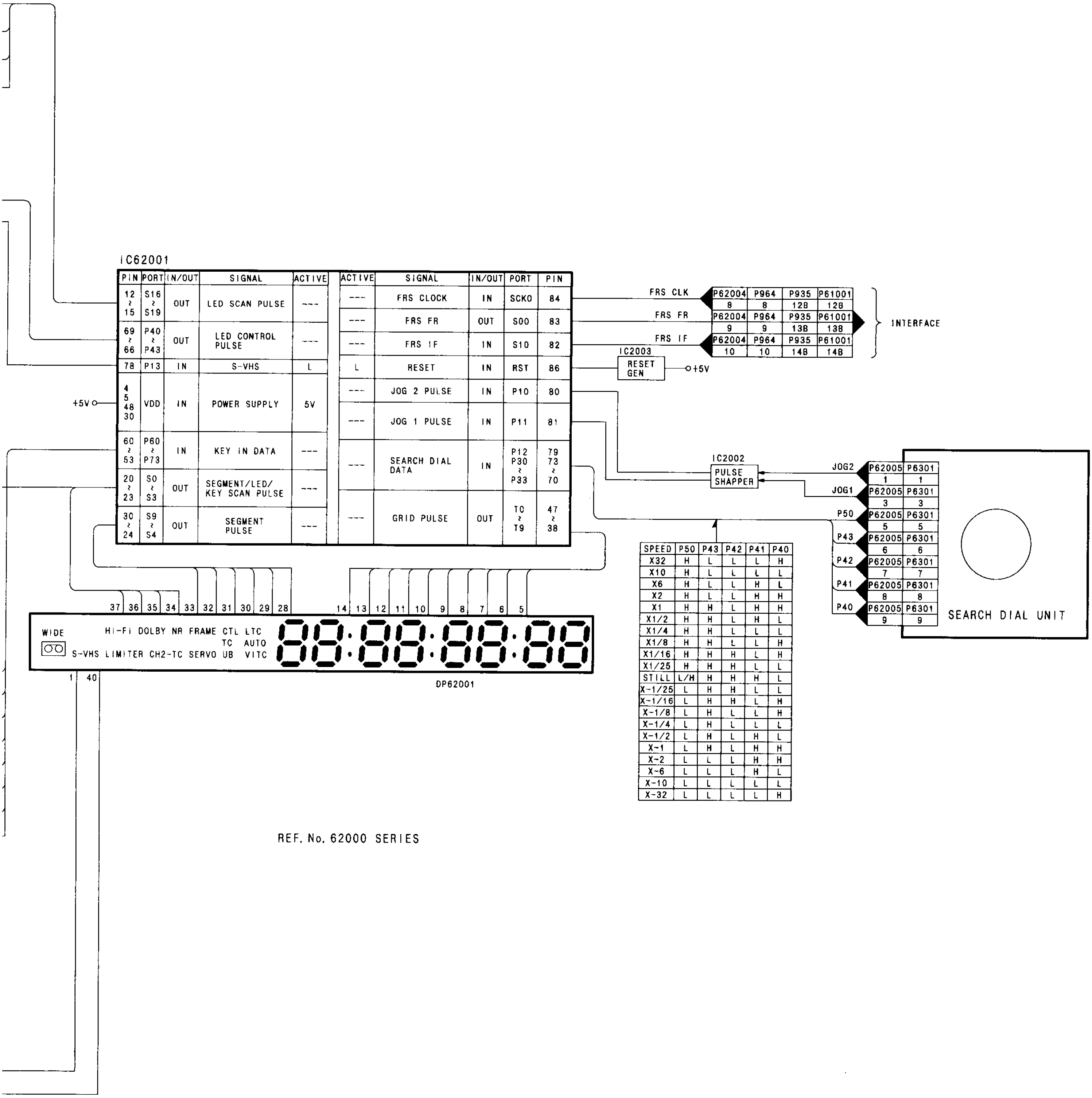

VIDEO INPUT
S-VIDEO INPUT
Y
C
INPUT SELECTOR
WIDE DET.
ASC
A/D
DIGITAL Y/C SEPA.
D/A
D/A
S-VIDEO
LINE
S-VIDEO
LINE
VITC MIX
REC TIMING
Y/C REC C. B. A.
EE
PB
LUMINANCE REC PROCESS
CHROMINANCE REC PROCESS
LUMINANCE P. B PROCESS
CHROMINANCE P. B PROCESS
VIDEO Y/C C. B. A.
VIDEO I/O C.
EE
PB
REC EQ.
REC EQ.
Y/C TIMING
Y CLAMP
Y A/D
DECODE
R-Y
B-Y
R-Y CLAMP
B-Y CLAMP
MULTIPLEX
DATA
MICROCOMPUTER
WRITE CLK GENE.
WRITE CLK
RE
READ CLK GENE.
SYNC GENE.
SC GENE.
TBC (2) C. B.
REF INPUT
TBC ON (H)
COMPONENT OUT
Y
PB
PR
VIDEO MONITOR OUT
CHARACTOR GENE.
VIDEO OUT
1
2
Y/C MIX
S-VIDEO OUT
1
2
Y
C
Y
C
TBC REMOTE JACK
TIME CODE IN
TIME CODE OUT
AUDIO MONITOR OUT
AUDIO INPUT GAIN SW
REAR JACK C. B. A.
SERVO & SYSTEM CONTROL C. B. A.
SAFETY DEVICE
SYSTEM CONTROL MICROCOMPUTER
SERVO MICROCOMPUTER
CAPSTAN CONTROL
REEL CONTROL
RAM
I/F MICROCOMPUTER
IN
CAPSTAN MOTOR DRIVE
CYLINDER MOTOR DRIVE
REEL MOTOR DRIVE
MOTOR DRIVE C. B. A.
CH1 HI-FI/NOR. AUDIO INPUT
CH2 HI-FI/NOR. AUDIO INPUT
CH1 HI-FI AUDIO INPUT
CH2 HI-FI AUDIO INPUT
AMP
GAIN
CH1 MIC INPUT
CH2 MIC INPUT
INPUT SELECT
LEVEL CONT.
NORMAL AUDIO REC/P. B PROCESS
AUDIO (1) C. B. A.
Hi-Fi AUDIO REC/P. B PROCESS
TIME CODE SELECT
MONITOR SELECT
OUTPUT SELECT
OUT LEVEL
AUDIO (2) C. B. A.
CH1 HI-FI/NOR. AUDIO OUTPUT
CH2 HI-FI/NOR. AUDIO OUTPUT
CH1 HI-FI AUDIO OUTPUT
CH2 HI-FI AUDIO OUTPUT
AMP
REAR AMP C. B. A.


VIDEO I/O C. B. A.
EE
PB
REC EQ.
REC EQ.
PB EQ.
Y/C TIMING
PB EQ.
HEAD AMP C. B. A.
Y
MIX AMP
C
P. B HEAD AMP
Y AMP
C AMP
D. D CYLINDER MOTOR UNIT
CYLINDER MOTOR
VIDEO-L (49µm)
VIDEO-R' (49µm)
AUDIO-L (36µm)
F. ERASE (47µm)
F. ERASE (47µm)
AUDIO-R (36µm)
VIDEO-L' (49µm)
VIDEO-R (49µm)
Y CLAMP
Y A/D
Y DNR
Y FIELD MEMORY
D. O. C
DECODE
R-Y
B-Y
R-Y CLAMP
B-Y CLAMP
MULTIPLEX
C A/D
C DNR
C FIELD MEMORY
C FIELD MEMORY
R-Y D/A
B-Y D/A
Y D/A
DATA
MICROCOMPUTER
WRITE CLK GENE.
WRITE CLK
READ CLK
TBC (1) C. B. A.
READ CLK GENE.
SYNC GENE.
SC GENE.
SYNC MIX
ENCODE
TBC (2) C. B. A.
TBC CTL
MPUTER
CAPSTAN CONTROL
RAM
TBC CTL
I/O
I/F MICROCOMPUTER
P-ROM
TCG/TCR
INTERFACE C. B. A.
FRONT DISPLAY
FRONT MICROCOMPUTER
FRONT C. B. A.
KEY BOARD
KEY BOARD C. B. A.
SEARCH DIAL
REEL MOTOR
CAPSTAN MOTOR DRIVE
CYLINDER MOTOR DRIVE
REEL MOTOR DRIVE
MOTOR DRIVE C. B. A.
CAPSTAN MOTOR
FE HEAD
LOADING MOTOR
34PIN CONNECTOR
34PIN I/F
34PIN C. B. A. (OPTION)
9PIN REMOTE JACK
TIME CODE SELECT
MONITOR SELECT
AUDIO LEVEL METER
CH1
CH2
OUTPUT SELECT
OUT LEVEL
HEADPHONES
CH1 AUDIO HEAD
CH2 AUDIO HEAD
CH1 AUDIO ERASE HEAD
CH2 AUDIO ERASE HEAD

HEAD	SIZE
VIDEO HEAD (L')	49µm
VIDEO HEAD (R')	49µm
VIDEO HEAD (L)	49µm
VIDEO HEAD (R)	49µm
AUDIO HEAD (L)	36µm
AUDIO HEAD (R)	36µm
ERASE HEAD	47µm
ERASE HEAD	47µm

FRONT BLOCK DIAGRAM


SEARCH
SW707
EJECT
SW704
STOP
SW703
REC
SW708
REW
SW702
EDIT
SW709
FF
SW701
PAUSE
SW706
PLAY
SW705
KEYBOARD C. B. A
P62701
P62009
S3 LED
S2 LED
S1 LED
S0 LED
L0 LED
L1 LED
L2. LED
Q2002
Q2003
Q2004
Q2005
Q2006
Q2007
Q2008
Q2009
QR2001
VIDEO I/O
P3931
P931
P961
P62001
27B
S-VHS Ⓗ
ASSY
SW2501
VIDEO
SW2502
CH1
SW2503
CH2
SW2504
P6250
P62006
SL KEY
ASSY KEY
ASSY LED
VIDEO KEY
VIDEO LED
CH1 KEY
CH1 LED
CH2 KEY
CH2 LED
SL LED
FRONT LED C. B. A. (AG-8700 ONLY)
+5V
WIDE
S-VH
K OUT 0
K OUT 1
K IN 7
K IN 6
K IN 5
K IN 4
K IN 3
K IN 2
K IN 1
K IN 0
KEYBOARD C. B. A.
OSD
SW2013
TCSEL
SW2012
COUNT
SW2011
RESET
SW2010
AG-8600 ONLY
OFF
AUTO STOP
SW2017
MEMORY
CUT OUT
OFF
AUTO STOP
SW2017
MEMORY
TBC SEARCH
MENU
SW2016
DIAL MODE
REMOTE
LOCAL
SW2015
CONTROL
ON
OFF
SW2014
DNR
ON
OFF
SW2018
TBC
T1501, Q1502
HEATER POWER SUPPLY
P2201
P62004
-HEATER
+HEATER
SERVO/SYSTEM CONTROL C. B. A.

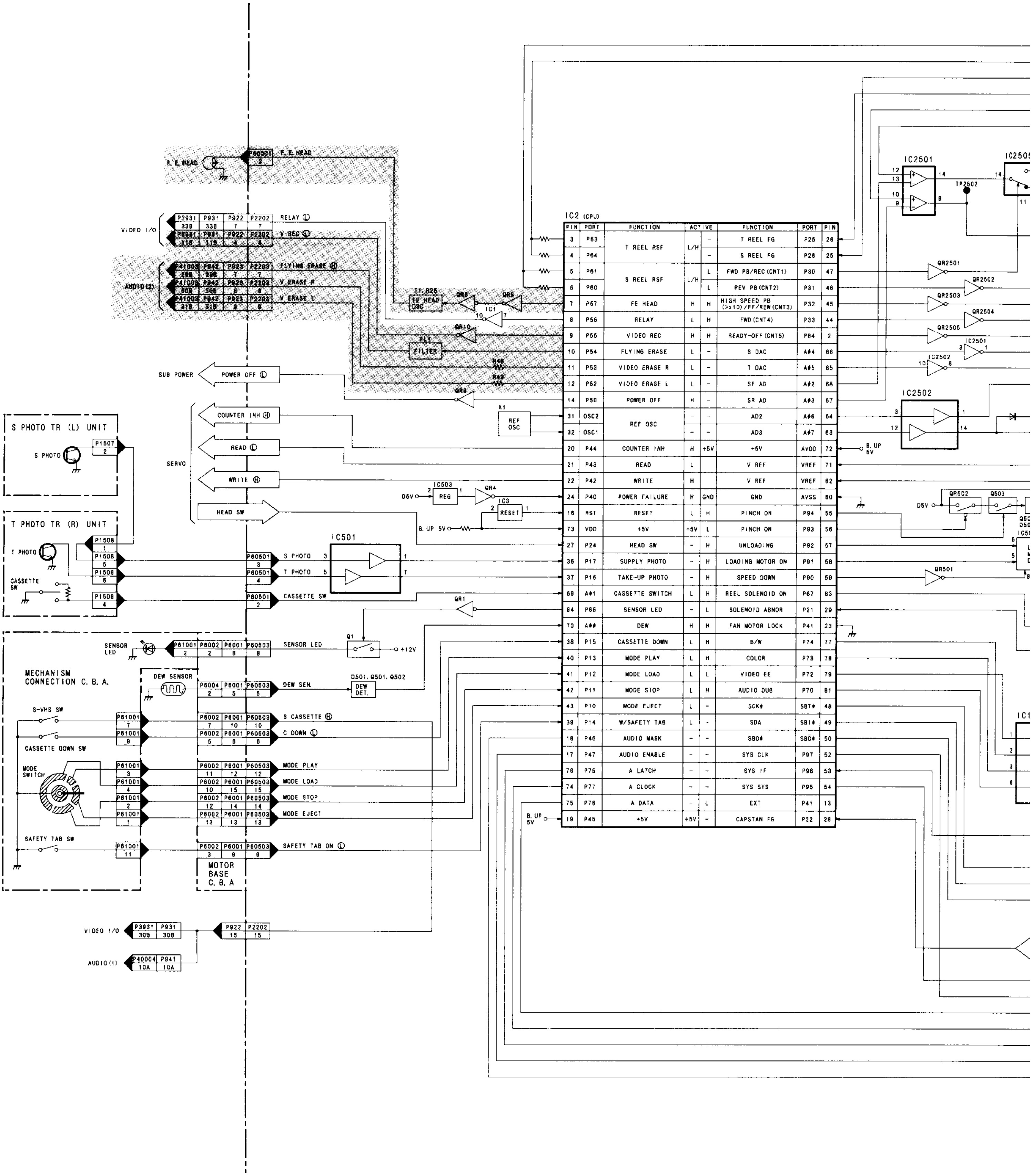

IC62001
FRS CLK
FRS FR
FRS IF
P62004 8
P964 8
P935 12B
P61001 12B
P62004 9
P964 9
P935 13B
P61001 13B
P62004 10
P964 10
P935 14B
P61001 14B
INTERFACE
IC2003
RESET GEN
+5V
+5V
IC2002
PULSE SHAPPER
JOG2
JOG1
P50
P43
P42
P41
P40
P62005 1
P6301 1
P62005 3
P6301 3
P62005 5
P6301 5
P62005 6
P6301 6
P62005 7
P6301 7
P62005 8
P6301 8
P62005 9
P6301 9
SEARCH DIAL UNIT
37 36 35 34 33 32 31 30 29 28
14 13 12 11 10 9 8 7 6 5
WIDE
Hi-Fi DOLBY NR FRAME CTL LTC
TC AUTO
S-VHS LIMITER CH2-TC SERVO UB VITC
1
40
DP62001

PIN	PORT	IN/OUT	SIGNAL	ACTIVE	ACTIVE	SIGNAL	IN/OUT	PORT	PIN
12 ≀ 15	S16 ≀ S19	OUT	LED SCAN PULSE	---	---	FRS CLOCK	IN	SCKO	84
					---	FRS FR	OUT	S00	83
69 ≀ 66	P40 ≀ P43	OUT	LED CONTROL PULSE	---	---	FRS IF	IN	S10	82
78	P13	IN	S-VHS	L	L	RESET	IN	RST	86
4 5 48 30	VDD	IN	POWER SUPPLY	5V	---	JOG 2 PULSE	IN	P10	80
					---	JOG 1 PULSE	IN	P11	81
60 ≀ 53	P60 ≀ P73	IN	KEY IN DATA	---	---	SEARCH DIAL DATA	IN	P12 P30 ≀ P33	79 73 ≀ 70
20 ≀ 23	S0 ≀ S3	OUT	SEGMENT/LED/ KEY SCAN PULSE	---					
30 ≀ 24	S9 ≀ S4	OUT	SEGMENT PULSE	---	---	GRID PULSE	OUT	T0 ≀ T9	47 ≀ 38

SPEED	P50	P43	P42	P41	P40
X32	H	L	L	L	H
X10	H	L	L	L	L
X6	H	L	L	H	L
X2	H	L	L	H	H
X1	H	H	L	H	H
X1/2	H	H	L	H	L
X1/4	H	H	L	L	L
X1/8	H	H	L	L	H
X1/16	H	H	H	L	H
X1/25	H	H	H	L	L
STILL	L/H	H	H	H	L
X-1/25	L	H	H	L	L
X-1/16	L	H	H	L	H
X-1/8	L	H	L	L	H
X-1/4	L	H	L	L	L
X-1/2	L	H	L	H	L
X-1	L	H	L	H	H
X-2	L	L	L	H	H
X-6	L	L	L	H	L
X-10	L	L	L	L	L
X-32	L	L	L	L	H

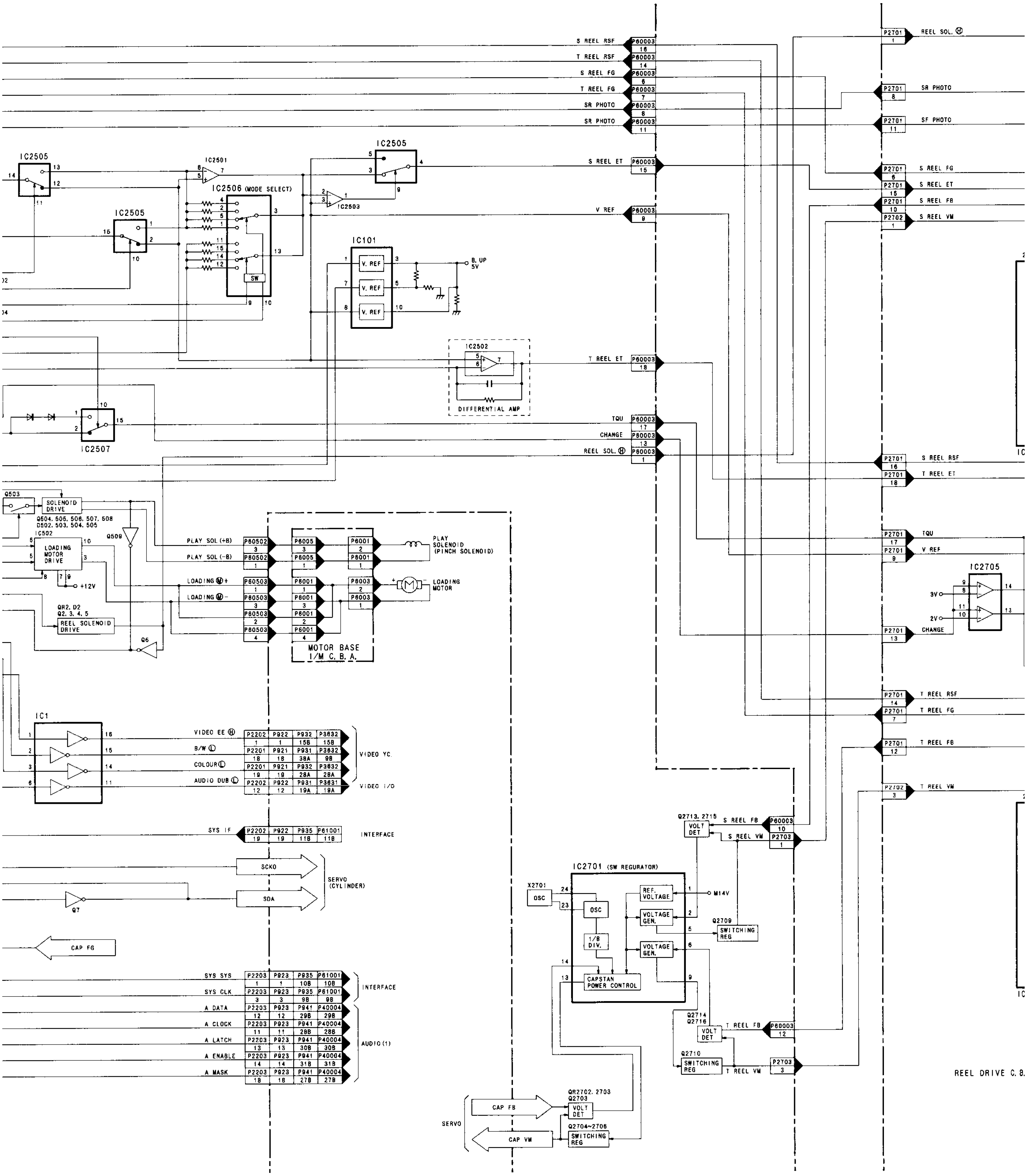
REF. No. 62000 SERIES

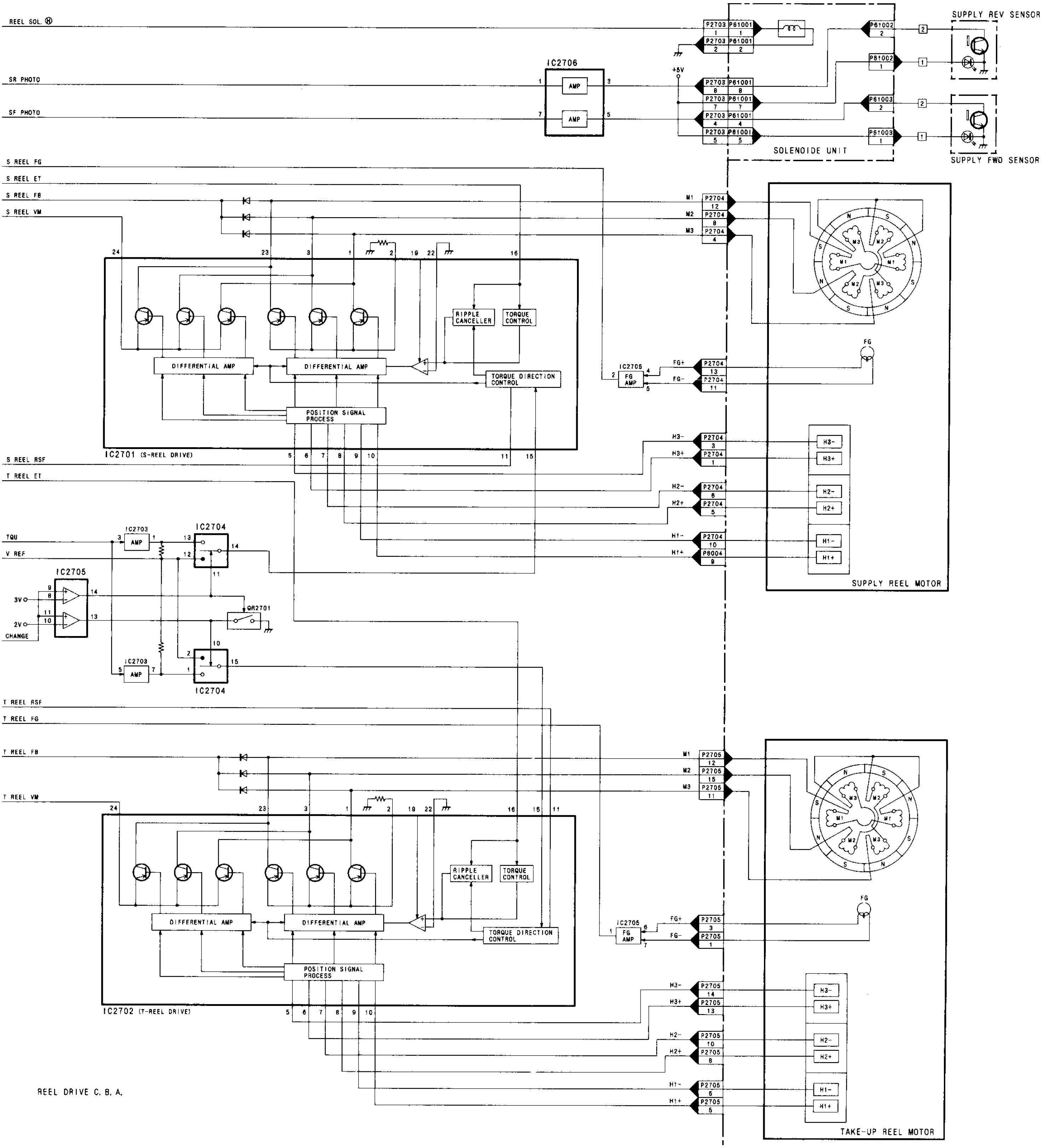
SYSTEM CONTROL BLOCK DIAGRAM


F. E. HEAD
P60001
3
F. E. HEAD
VIDEO I/O
P3931
P931
P922
P2202
33B
33B
7
7
RELAY Ⓛ
11B
11B
4
4
V REC Ⓛ
AUDIO (2)
P41003
P942
P923
P2203
29B
29B
7
7
FLYING ERASE Ⓗ
30B
30B
8
8
V ERASE R
31B
31B
9
9
V ERASE L
T1, R25
FE HEAD OSC
QR3
QR8
IC1
10
7
QR10
FL1
FILTER
R48
R49
QR8
SUB POWER
POWER OFF Ⓛ
SERVO
COUNTER INH Ⓗ
READ Ⓛ
WRITE Ⓗ
HEAD SW
X1
REF OSC
D5V
IC503
REG
QR4
IC3
RESET
B. UP 5V
S PHOTO TR (L) UNIT
S PHOTO
P1507
2
T PHOTO TR (R) UNIT
T PHOTO
P1508
1
5
6
4
CASSETTE SW
P60501
3
4
2
S PHOTO
T PHOTO
CASSETTE SW
IC501
QR1
Q1
+12V
MECHANISM CONNECTION C. B. A.
SENSOR LED
P61001
P6002
P6001
P60503
SENSOR LED
DEW SENSOR
P6004
DEW SEN.
D501, Q501, Q502
DEW DET.
S-VHS SW
CASSETTE DOWN SW
S CASSETTE Ⓗ
C DOWN Ⓛ
MODE SWITCH
MODE PLAY
MODE LOAD
MODE STOP
MODE EJECT
SAFETY TAB SW
SAFETY TAB ON Ⓛ
MOTOR BASE C. B. A
VIDEO I/O
P3931
P931
30B
30B
P922
P2202
15
15
AUDIO (1)
P40004
P941
10A
10A
B. UP 5V
IC2 (CPU)
IC2501
12
13
10
9
14
8
TP2502
IC2505
11
QR2501
QR2502
QR2503
QR2504
QR2505
IC2501
3
1
IC2502
10
8
IC2502
3
12
1
14
B. UP 5V
D5V
QR502
Q503
QR501

IC2 (CPU)

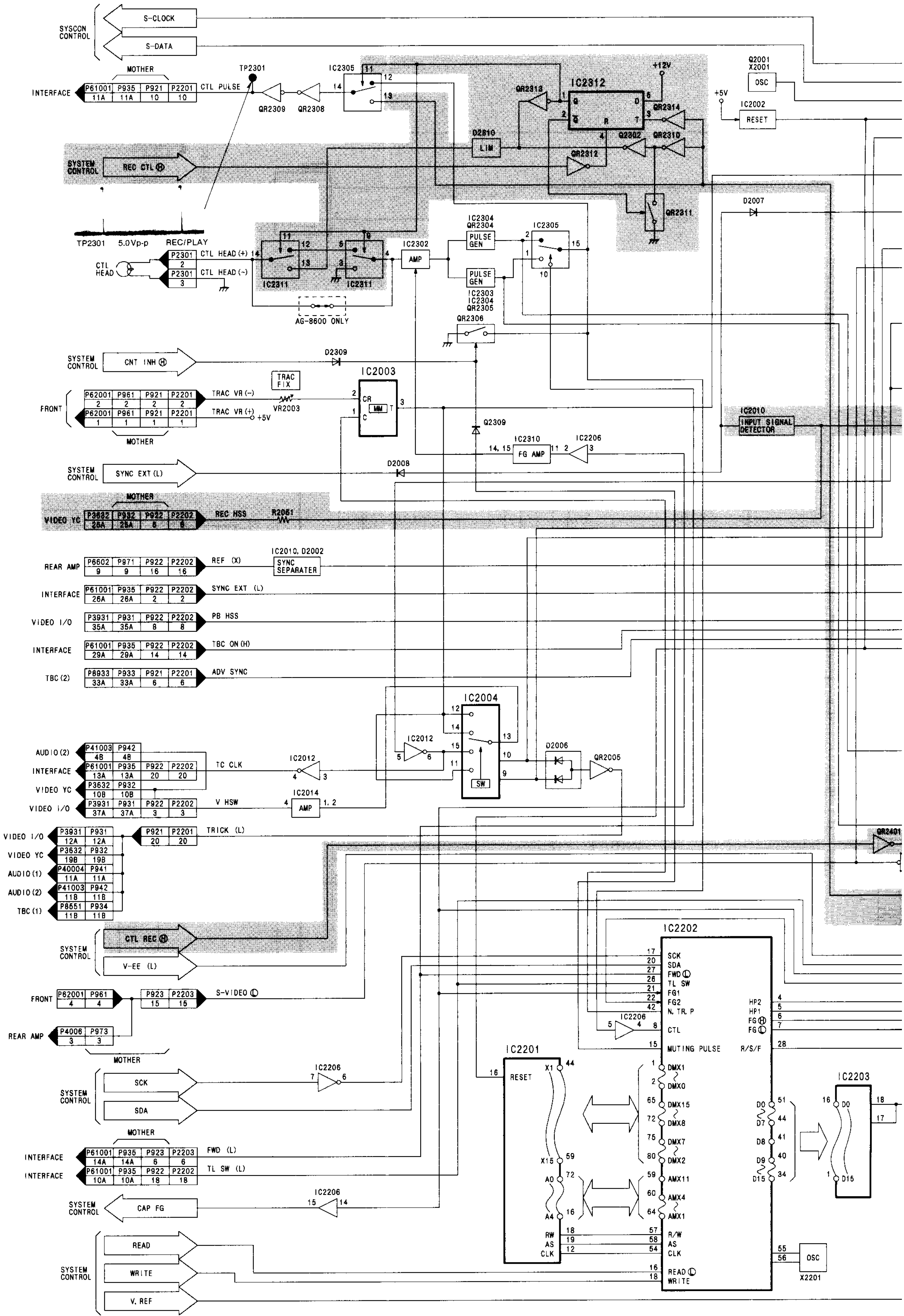
PIN	PORT	FUNCTION	ACTIVE		FUNCTION	PORT	PIN
3	P63	T REEL RSF	L/H	–	T REEL FG	P25	26
4	P64			–	S REEL FG	P26	25
5	P61	S REEL RSF	L/H	L	FWD PB/REC (CNT1)	P30	47
6	P60			L	REV PB (CNT2)	P31	46
7	P57	FE HEAD	H	H	HIGH SPEED PB (>x10)/FF/REW (CNT3)	P32	45
8	P56	RELAY	L	H	FWD (CNT4)	P33	44
9	P55	VIDEO REC	H	H	READY-OFF (CNT5)	P84	2
10	P54	FLYING ERASE	L	–	S DAC	A04	66
11	P53	VIDEO ERASE R	L	–	T DAC	A05	65
12	P52	VIDEO ERASE L	L	–	SF AD	A02	68
14	P50	POWER OFF	H	–	SR AD	A03	67
31	OSC2	REF OSC	–	–	AD2	A06	64
32	OSC1		–	–	AD3	A07	63
20	P44	COUNTER INH	H	+5V	+5V	AVDD	72
21	P43	READ	L		V REF	VREF	71
22	P42	WRITE	H		V REF	VREF	62
24	P40	POWER FAILURE	H	GND	GND	AVSS	60
16	RST	RESET	L	H	PINCH ON	P94	55
73	VDD	+5V	+5V	L	PINCH ON	P93	56
27	P24	HEAD SW	–	H	UNLOADING	P92	57
36	P17	SUPPLY PHOTO	–	H	LOADING MOTOR ON	P91	58
37	P16	TAKE-UP PHOTO	–	H	SPEED DOWN	P90	59
69	A01	CASSETTE SWITCH	L	H	REEL SOLENOID ON	P67	83
84	P66	SENSOR LED	–	L	SOLENOID ABNOR	P21	29
70	A00	DEW	H	H	FAN MOTOR LOCK	P41	23
38	P15	CASSETTE DOWN	L	H	B/W	P74	77
40	P13	MODE PLAY	L	H	COLOR	P73	78
41	P12	MODE LOAD	L	L	VIDEO EE	P72	79
42	P11	MODE STOP	L	H	AUDIO DUB	P70	81
43	P10	MODE EJECT	L	–	SCK0	SBT0	48
39	P14	W/SAFETY TAB	L	–	SDA	SBI0	49
18	P46	AUDIO MASK	–	–	SBO0	SBO0	50
17	P47	AUDIO ENABLE	–	–	SYS CLK	P97	52
76	P75	A LATCH	–	–	SYS IF	P96	53
74	P77	A CLOCK	–	–	SYS SYS	P95	54
75	P76	A DATA	–	L	EXT	P41	13
19	P45	+5V	+5V	–	CAPSTAN FG	P22	28

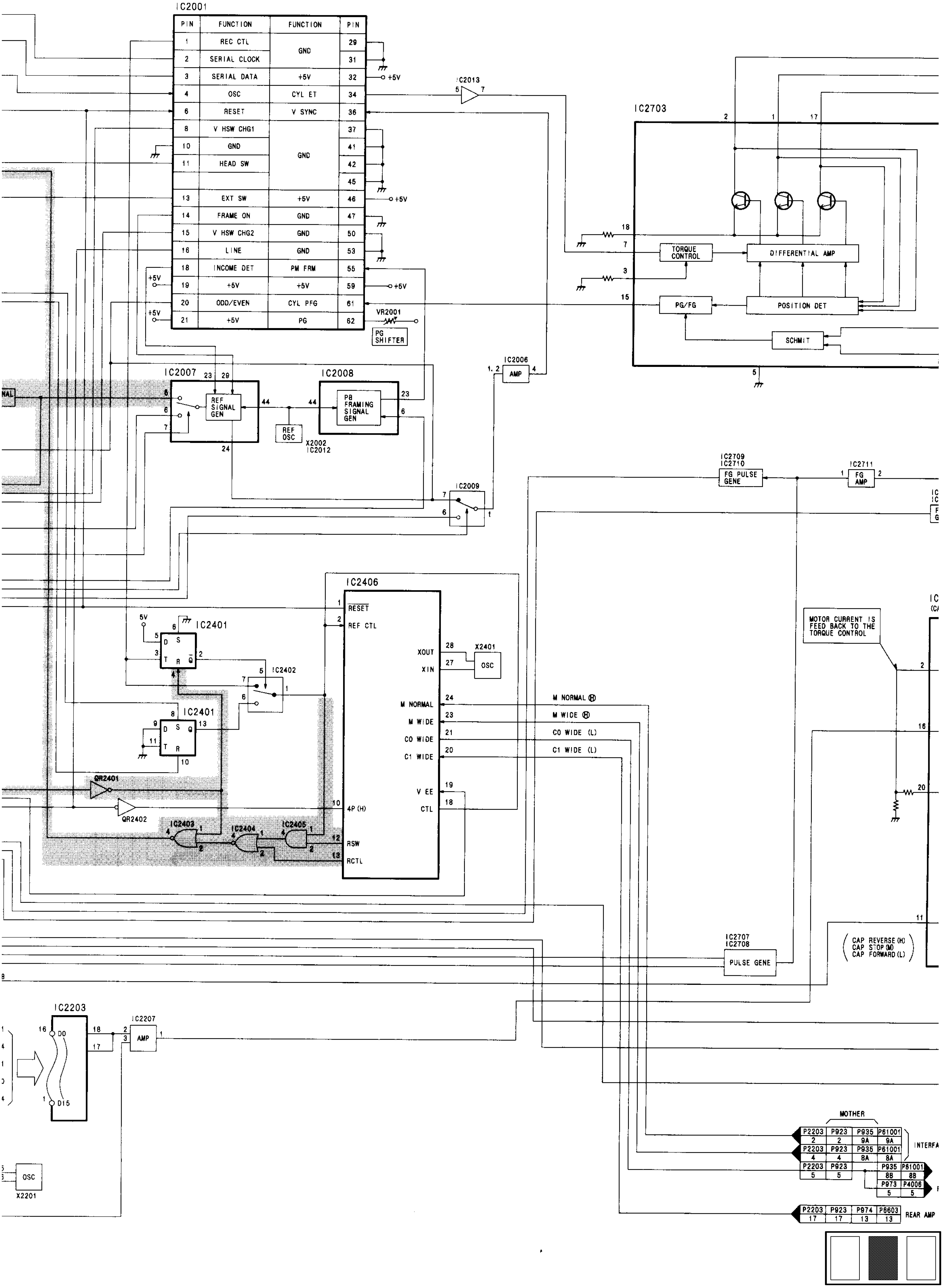

S REEL RSF
T REEL RSF
S REEL FG
T REEL FG
SR PHOTO
SR PHOTO
P60003
IC2505
IC2501
IC2506 (MODE SELECT)
IC2503
IC2505
S REEL ET
V REF
IC101
V. REF
V. REF
V. REF
B. UP 5V
SW
IC2502
DIFFERENTIAL AMP
T REEL ET
IC2507
TQU
CHANGE
REEL SOL. Ⓗ
Q503
SOLENOID DRIVE
Q504, 505, 506, 507, 508
D502, 503, 504, 505
IC502
LOADING MOTOR DRIVE
Q509
+12V
QR2, D2
Q2, 3, 4, 5
REEL SOLENOID DRIVE
Q6
PLAY SOL (+B)
PLAY SOL (-B)
LOADING Ⓜ+
LOADING Ⓜ-
P60502
P60503
P6005
P6001
P6003
PLAY SOLENOID (PINCH SOLENOID)
LOADING MOTOR
MOTOR BASE I/M C.B.A.
IC1
VIDEO EE Ⓗ
B/W Ⓛ
COLOUR Ⓛ
AUDIO DUB Ⓛ
P2202
P2201
P922
P921
P932
P931
P3632
P3631
VIDEO YC
VIDEO I/O
SYS IF
P935
P61001
INTERFACE
SCKO
SDA
SERVO (CYLINDER)
Q7
CAP FG
SYS SYS
SYS CLK
A DATA
A CLOCK
A LATCH
A ENABLE
A MASK
P2203
P923
P941
P40004
INTERFACE
AUDIO (1)
SERVO
CAP FB
CAP VM
QR2702, 2703
Q2703
VOLT DET
Q2704~2706
SWITCHING REG
IC2701 (SW REGURATOR)
X2701
OSC
OSC
1/8 DIV.
CAPSTAN POWER CONTROL
REF. VOLTAGE
VOLTAGE GEN.
VOLTAGE GEN.
M14V
Q2709
SWITCHING REG
Q2713, 2715
VOLT DET
S REEL FB
S REEL VM
P2703
Q2714
Q2716
VOLT DET
T REEL FB
Q2710
SWITCHING REG
T REEL VM
P2701
P2702
REEL SOL. Ⓗ
SR PHOTO
SF PHOTO
S REEL FG
S REEL ET
S REEL FB
S REEL VM
S REEL RSF
T REEL ET
TQU
V REF
IC2705
3V
2V
CHANGE
T REEL RSF
T REEL FG
T REEL FB
T REEL VM
REEL DRIVE C.B.



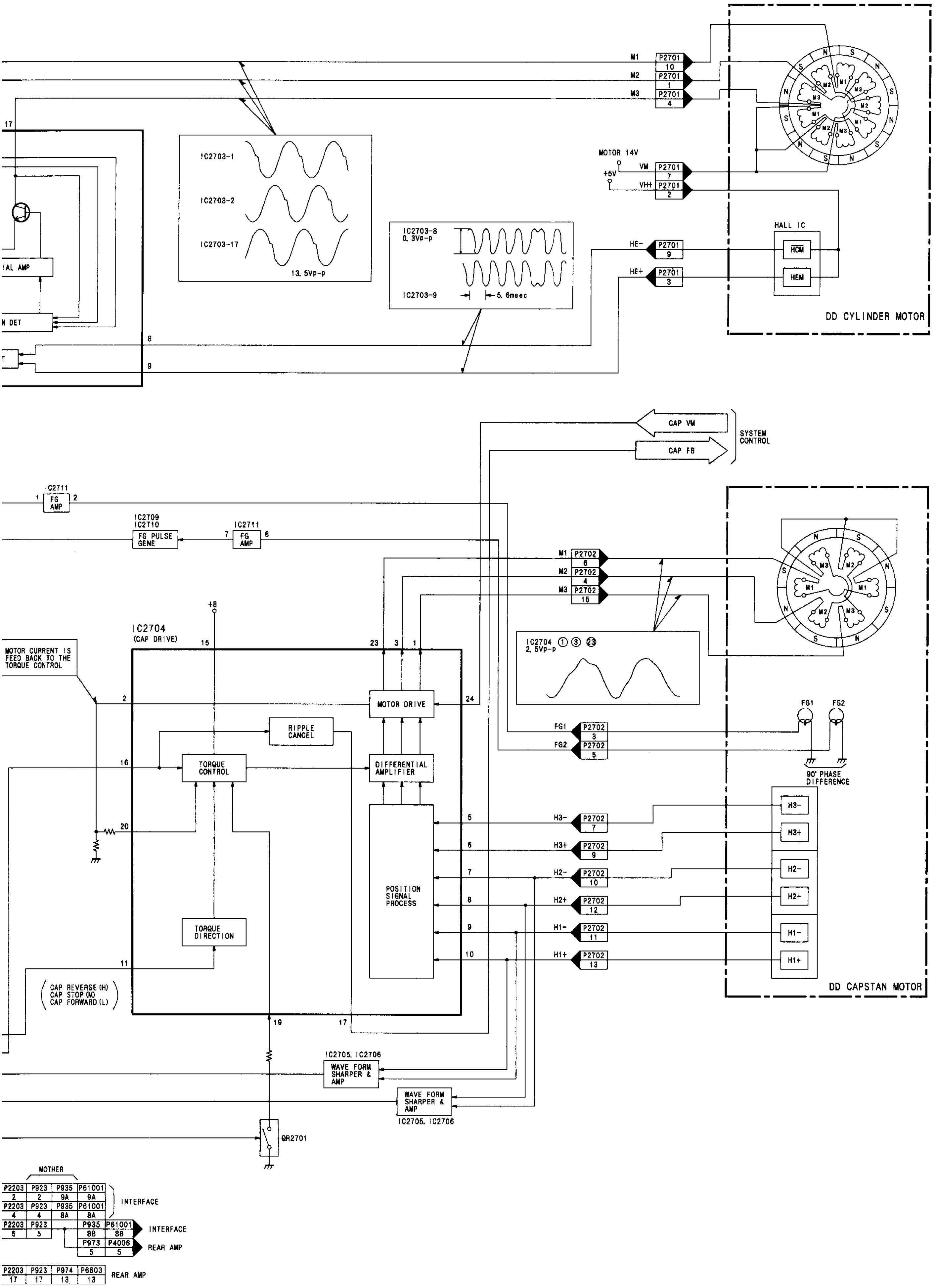
REEL SOL. Ⓗ
SR PHOTO
SF PHOTO
IC2706
AMP
AMP
+5V
P2703
P61001
P61002
P61003
SOLENOIDE UNIT
SUPPLY REV SENSOR
SUPPLY FWD SENSOR
S REEL FG
S REEL ET
S REEL FB
S REEL VM
M1
M2
M3
P2704
RIPPLE CANCELLER
TORQUE CONTROL
DIFFERENTIAL AMP
DIFFERENTIAL AMP
TORQUE DIRECTION CONTROL
POSITION SIGNAL PROCESS
IC2701 (S-REEL DRIVE)
IC2705
FG AMP
FG+
FG-
FG
H3-
H3+
H2-
H2+
H1-
H1+
P6004
SUPPLY REEL MOTOR
S REEL RSF
T REEL ET
TQU
V REF
IC2703
IC2704
IC2705
3V
2V
CHANGE
QR2701
T REEL RSF
T REEL FG
T REEL FB
T REEL VM
P2705
IC2702 (T-REEL DRIVE)
TAKE-UP REEL MOTOR
N
S
REEL DRIVE C. B. A.

SERVO BLOCK DIAGRAM


SYSCON CONTROL
S-CLOCK
S-DATA
INTERFACE
MOTHER
P61001 11A
P935 11A
P921 10
P2201 10
CTL PULSE
TP2301
QR2309
QR2308
IC2305
QR2313
IC2312
+12V
QR2314
D2310
LIM
Q2302
QR2310
QR2312
SYSTEM CONTROL
REC CTL Ⓗ
QR2311
Q2001
X2001
OSC
+5V
IC2002
RESET
D2007
TP2301 5.0Vp-p REC/PLAY
CTL HEAD
P2301
CTL HEAD (+)
CTL HEAD (−)
IC2311
IC2302
AMP
IC2304
QR2304
PULSE GEN
IC2303
IC2304
QR2305
AG-8600 ONLY
QR2306
SYSTEM CONTROL
CNT INH Ⓗ
D2309
IC2003
TRAC FIX
FRONT
P62001
P961
P921
P2201
TRAC VR (−)
TRAC VR (+)
VR2003
+5V
MM
Q2309
IC2010
INPUT SIGNAL DETECTOR
IC2310
FG AMP
IC2206
SYSTEM CONTROL
SYNC EXT (L)
D2008
VIDEO YC
P3632 25A
P932 25A
P922 5
P2202 5
REC HSS
R2061
REAR AMP
P6602 9
P971 9
P922 16
P2202 16
REF (X)
IC2010, D2002
SYNC SEPARATER
INTERFACE
P61001 26A
P935 26A
P922 2
P2202 2
SYNC EXT (L)
VIDEO I/O
P3931 35A
P931 35A
P922 8
P2202 8
PB HSS
INTERFACE
P61001 29A
P935 29A
P922 14
P2202 14
TBC ON (H)
TBC (2)
P8933 33A
P933 33A
P921 6
P2201 6
ADV SYNC
IC2004
SW
IC2012
D2006
QR2005
AUDIO (2)
P41003 4B
P942 4B
INTERFACE
P61001 13A
P935 13A
P922 20
P2202 20
TC CLK
VIDEO YC
P3632 10B
P932 10B
VIDEO I/O
P3931 37A
P931 37A
P922 3
P2202 3
V HSW
IC2014
AMP
VIDEO I/O
P3931 12A
P931 12A
VIDEO YC
P3632 19B
P932 19B
AUDIO (1)
P40004 11A
P941 11A
AUDIO (2)
P41003 11B
P942 11B
TBC (1)
P8551 11B
P934 11B
P921 20
P2201 20
TRICK (L)
QR2401
SYSTEM CONTROL
CTL REC Ⓗ
V-EE (L)
IC2202
SCK
SDA
FWD Ⓛ
TL SW
FG1
FG2
N. TR. P
CTL
MUTING PULSE
HP2
HP1
FG Ⓗ
FG Ⓛ
R/S/F
FRONT
P62001 4
P961 4
P923 15
P2203 15
S-VIDEO Ⓛ
REAR AMP
P4006 3
P973 3
MOTHER
IC2201
RESET
X1
X15
A0
A4
RW
AS
CLK
DMX1
DMX0
DMX15
DMX8
DMX7
DMX2
AMX11
AMX4
AMX1
R/W
AS
CLK
READ Ⓛ
WRITE
D0
D7
D8
D9
D15
IC2203
D0
D15
OSC
X2201
SYSTEM CONTROL
SCK
SDA
INTERFACE
P61001 14A
P935 14A
P923 6
P2203 6
FWD (L)
INTERFACE
P61001 10A
P935 10A
P922 18
P2202 18
TL SW (L)
SYSTEM CONTROL
CAP FG
SYSTEM CONTROL
READ
WRITE
V. REF

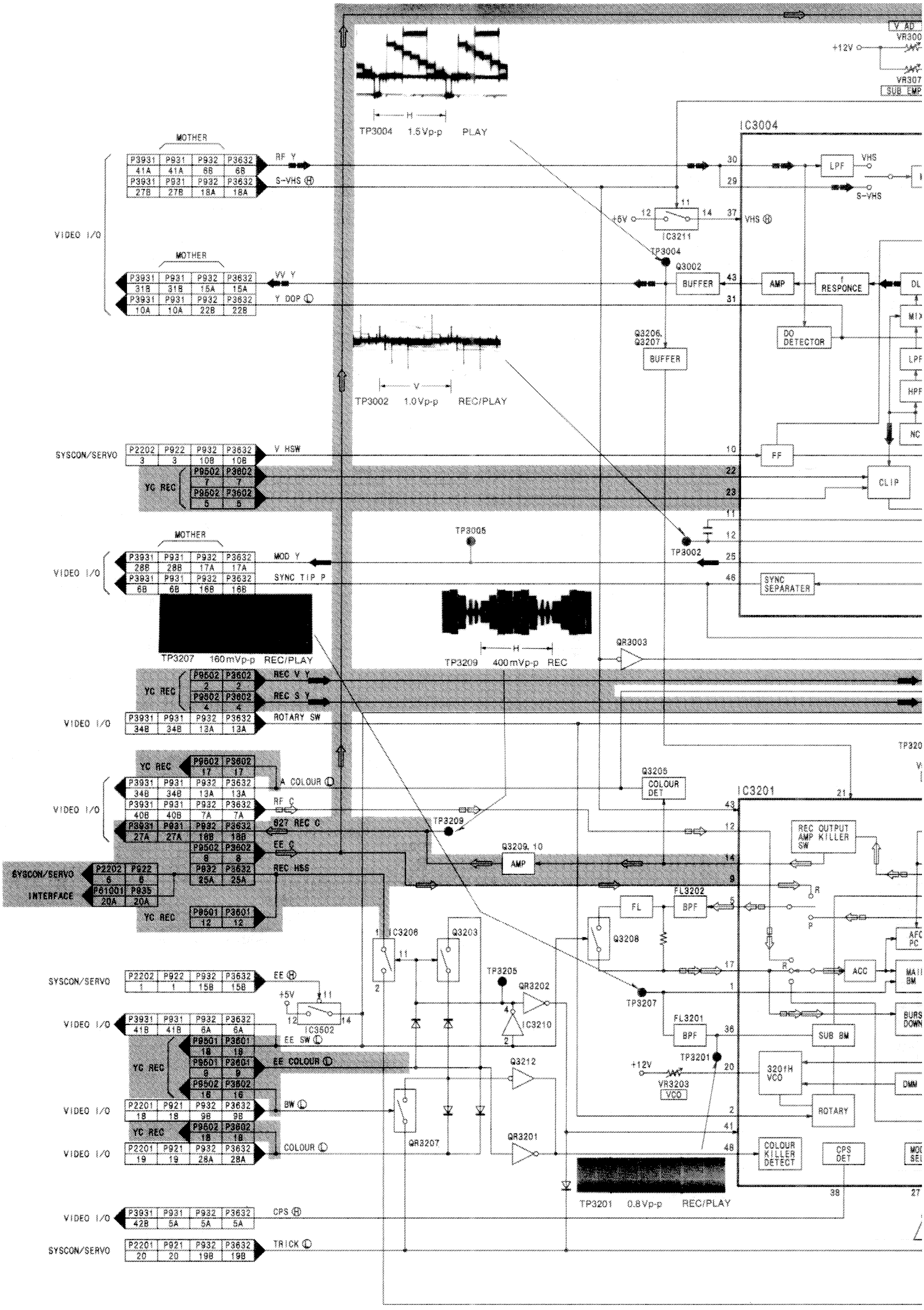


IC2001
PIN FUNCTION FUNCTION PIN
1 REC CTL GND 29
2 SERIAL CLOCK 31
3 SERIAL DATA +5V 32
4 OSC CYL ET 34
6 RESET V SYNC 36
8 V HSW CHG1 GND 37
10 GND 41
11 HEAD SW 42
45
13 EXT SW +5V 46
14 FRAME ON GND 47
15 V HSW CHG2 GND 50
16 LINE GND 53
18 INCOME DET PM FRM 55
19 +5V +5V 59
20 ODD/EVEN CYL PFG 61
21 +5V PG 62
+5V
IC2013
VR2001
PG SHIFTER
IC2703
TORQUE CONTROL
DIFFERENTIAL AMP
PG/FG
POSITION DET
SCHMIT
IC2006
AMP
IC2007
REF SIGNAL GEN
IC2008
PB FRAMING SIGNAL GEN
REF OSC
X2002
IC2012
IC2009
IC2709
IC2710
FG PULSE GENE
IC2711
FG AMP
IC2406
RESET
REF CTL
XOUT
XIN
X2401
OSC
M NORMAL
M WIDE
CO WIDE
C1 WIDE
V EE
CTL
4P (H)
RSW
RCTL
IC2401
IC2402
QR2401
QR2402
IC2403
IC2404
IC2405
5V
M NORMAL Ⓗ
M WIDE Ⓗ
CO WIDE (L)
C1 WIDE (L)
MOTOR CURRENT IS FEED BACK TO THE TORQUE CONTROL
IC2707
IC2708
PULSE GENE
CAP REVERSE (H)
CAP STOP (M)
CAP FORWARD (L)
IC2203
D0
D15
IC2207
AMP
OSC
X2201
MOTHER
P2203 2 P923 2 P935 9A P61001 9A
P2203 4 P923 4 P935 8A P61001 8A
P2203 5 P923 5 P935 8B P61001 8B
P973 5 P4006 5
INTERFA
P2203 17 P923 17 P974 13 P6603 13
REAR AMP



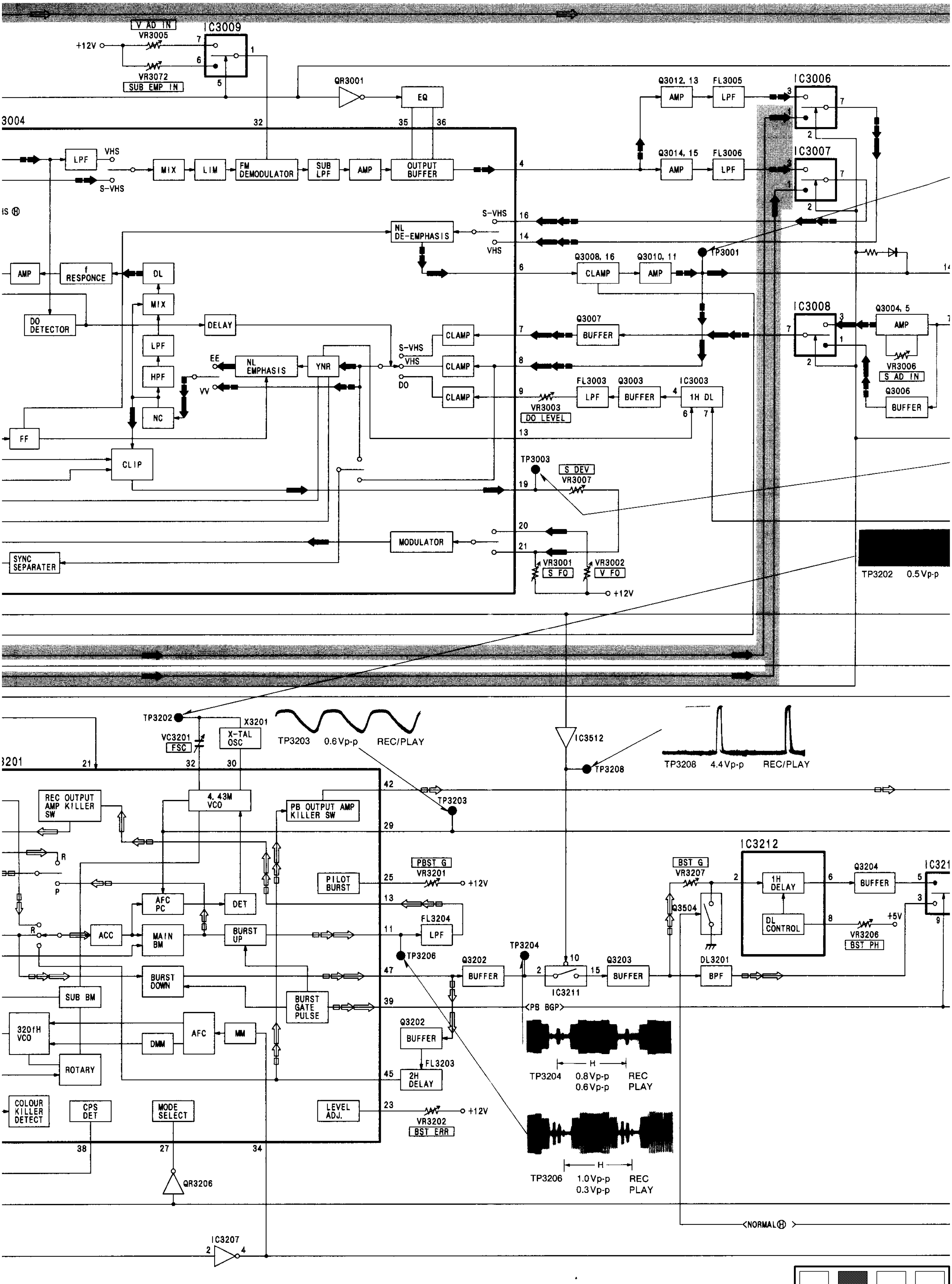
M1
P2701
10
M2
P2701
1
M3
P2701
4
17
IC2703-1
IC2703-2
IC2703-17
13. 5Vp-p
MOTOR 14V
VM
P2701
7
+5V
VH+
P2701
2
IC2703-8
0. 3Vp-p
IC2703-9
5. 6msec
HE−
P2701
9
HE+
P2701
3
HALL IC
HCM
HEM
DD CYLINDER MOTOR
IAL AMP
N DET
8
9
CAP VM
CAP FB
SYSTEM CONTROL
IC2711
FG AMP
1
2
IC2709
IC2710
FG PULSE GENE
IC2711
FG AMP
7
6
M1
P2702
6
M2
P2702
4
M3
P2702
15
+B
IC2704
(CAP DRIVE)
15
23
3
1
MOTOR CURRENT IS FEED BACK TO THE TORQUE CONTROL
2
MOTOR DRIVE
24
IC2704 ① ③ ㉓
2. 5Vp-p
RIPPLE CANCEL
FG1
P2702
3
FG2
P2702
5
FG1
FG2
90° PHASE DIFFERENCE
16
TORQUE CONTROL
DIFFERENTIAL AMPLIFIER
20
5
H3−
P2702
7
H3−
6
H3+
P2702
9
H3+
7
H2−
P2702
10
H2−
POSITION SIGNAL PROCESS
8
H2+
P2702
12
H2+
TORQUE DIRECTION
9
H1−
P2702
11
H1−
11
10
H1+
P2702
13
H1+
DD CAPSTAN MOTOR
CAP REVERSE (H)
CAP STOP (M)
CAP FORWARD (L)
19
17
IC2705, IC2706
WAVE FORM SHARPER & AMP
WAVE FORM SHARPER & AMP
IC2705, IC2706
QR2701
MOTHER
P2203 P923 P935 P61001
2 2 9A 9A
P2203 P923 P935 P61001
4 4 8A 8A
INTERFACE
P2203 P923
5 5
P935 P61001
8B 8B
INTERFACE
P973 P4006
5 5
REAR AMP
P2203 P923 P974 P6603
17 17 13 13
REAR AMP
S
N
M1
M2
M3

VIDEO YC BLOCK DIAGRAM


TP3004 1.5Vp-p PLAY
TP3002 1.0Vp-p REC/PLAY
TP3207 160mVp-p REC/PLAY
TP3209 400mVp-p REC
TP3201 0.8Vp-p REC/PLAY
TP3005
MOTHER
VIDEO I/O
SYSCON/SERVO
YC REC
INTERFACE
P3931 P931 P932 P3632
RF Y
S-VHS Ⓗ
VV Y
Y DOP Ⓛ
V HSW
MOD Y
SYNC TIP P
REC V Y
REC S Y
ROTARY SW
A COLOUR Ⓛ
RF C
627 REC C
EE C
REC HSS
EE Ⓗ
EE SW Ⓛ
EE COLOUR Ⓛ
BW Ⓛ
COLOUR Ⓛ
CPS Ⓗ
TRICK Ⓛ
V AD
VR3006
VR3073
SUB EMP
+12V
+5V
IC3004
IC3211
Q3002
BUFFER
Q3206, Q3207
AMP
f RESPONCE
DL
MIX
LPF
HPF
NC
VHS
S-VHS
VHS Ⓗ
DO DETECTOR
FF
CLIP
SYNC SEPARATER
QR3003
Q3205
COLOUR DET
IC3201
REC OUTPUT AMP KILLER SW
Q3209, 10
FL
FL3202
BPF
Q3208
AFC PC
ACC
MAIN BM
BURST DOWN
SUB BM
FL3201
VR3203
VCO
320fH VCO
DMM
ROTARY
COLOUR KILLER DETECT
CPS DET
MODE SEL
IC3206
Q3203
TP3205
QR3202
IC3210
IC3502
Q3212
QR3207
QR3201
TP3201
R
P

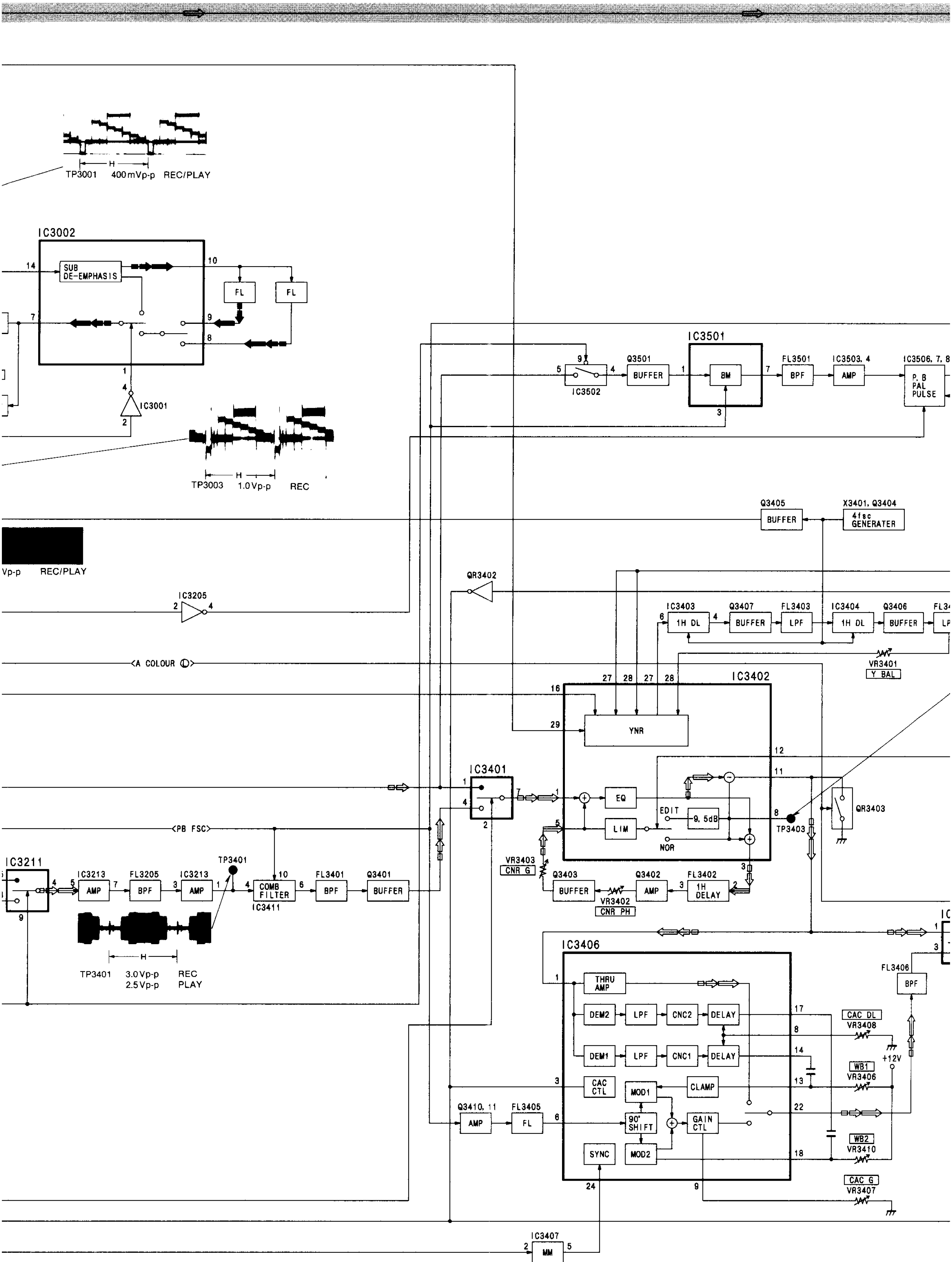
LUMINANCE MAIN SIGNAL PATH IN REC MODE

LUMINANCE I

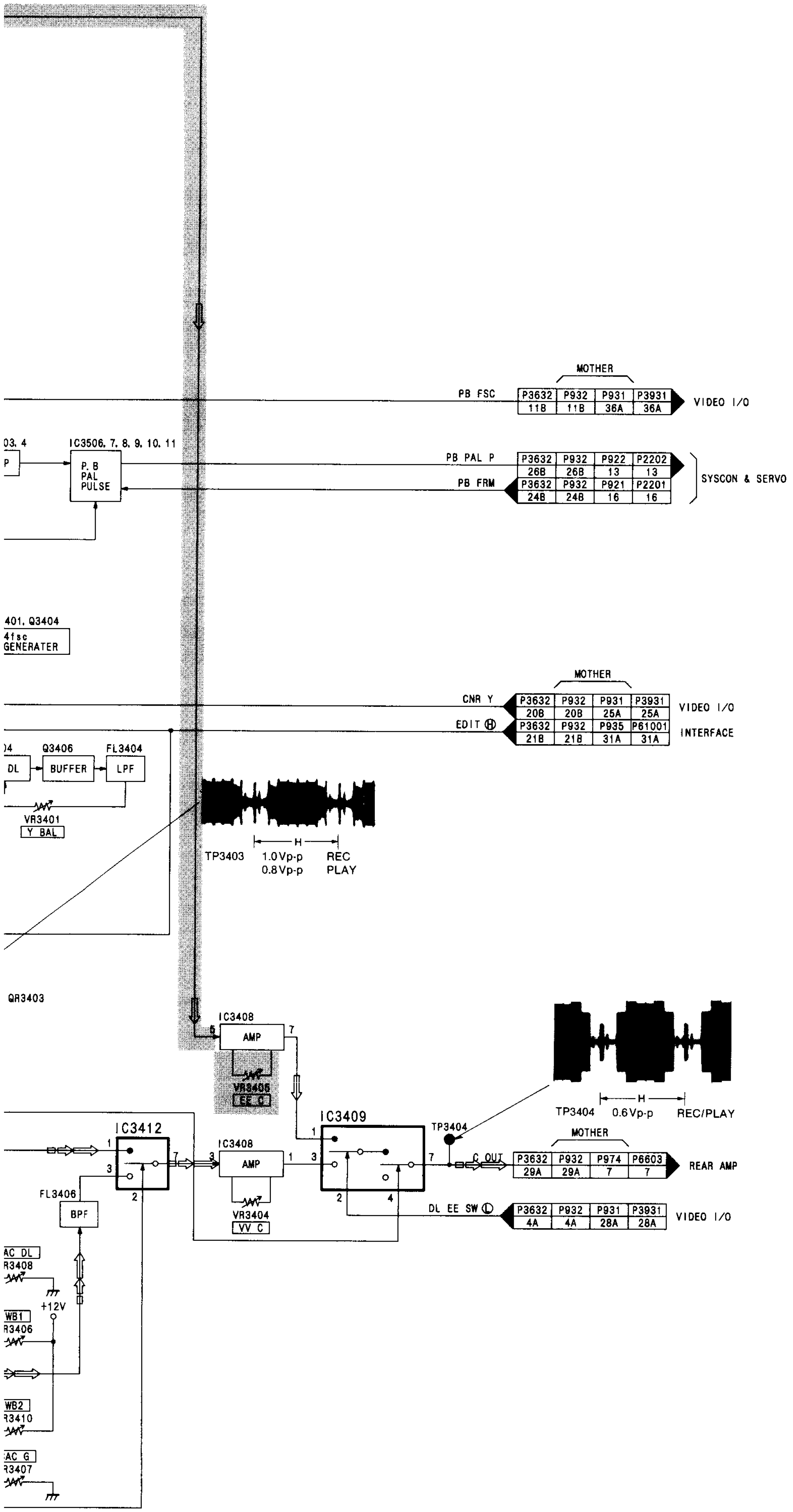


V AD IN
VR3005
IC3009
+12V
VR3072
SUB EMP IN
QR3001
EQ
3004
32
35
36
Q3012, 13
FL3005
IC3006
AMP
LPF
Q3014, 15
FL3006
IC3007
LPF
VHS
S-VHS
MIX
LIM
FM DEMODULATOR
SUB LPF
AMP
OUTPUT BUFFER
IS Ⓗ
NL DE-EMPHASIS
S-VHS
VHS
16
14
6
Q3008, 16
Q3010, 11
CLAMP
AMP
TP3001
AMP
f RESPONCE
DL
MIX
DO DETECTOR
DELAY
LPF
HPF
NC
EE
VV
NL EMPHASIS
YNR
S-VHS
VHS
DO
CLAMP
CLAMP
CLAMP
Q3007
BUFFER
IC3008
Q3004, 5
AMP
VR3006
S AD IN
Q3006
BUFFER
FL3003
Q3003
IC3003
LPF
BUFFER
1H DL
VR3003
DO LEVEL
13
FF
CLIP
TP3003
S DEV
VR3007
19
20
21
MODULATOR
SYNC SEPARATER
VR3001
S FO
VR3002
V FO
+12V
TP3202 0.5Vp-p
TP3202
X3201
VC3201
FSC
X-TAL OSC
3201
21
32
30
TP3203 0.6Vp-p REC/PLAY
IC3512
TP3208
TP3208 4.4Vp-p REC/PLAY
REC OUTPUT AMP KILLER SW
4.43M VCO
PB OUTPUT AMP KILLER SW
42
TP3203
29
R
P
PILOT BURST
PBST G
VR3201
25
+12V
13
AFC PC
DET
ACC
MAIN BM
BURST UP
11
FL3204
LPF
TP3206
TP3204
BST G
VR3207
Q3504
IC3212
1H DELAY
DL CONTROL
Q3204
BUFFER
IC321
+5V
VR3206
BST PH
BURST DOWN
47
Q3202
BUFFER
IC3211
Q3203
BUFFER
DL3201
BPF
SUB BM
BURST GATE PULSE
39
<PB BGP>
320fH VCO
AFC
MM
DMM
Q3202
BUFFER
FL3203
ROTARY
45
2H DELAY
TP3204 0.8Vp-p REC 0.6Vp-p PLAY
H
COLOUR KILLER DETECT
CPS DET
MODE SELECT
LEVEL ADJ.
23
VR3202
BST ERR
38
27
34
QR3206
TP3206 1.0Vp-p REC 0.3Vp-p PLAY
<NORMAL Ⓗ>
IC3207

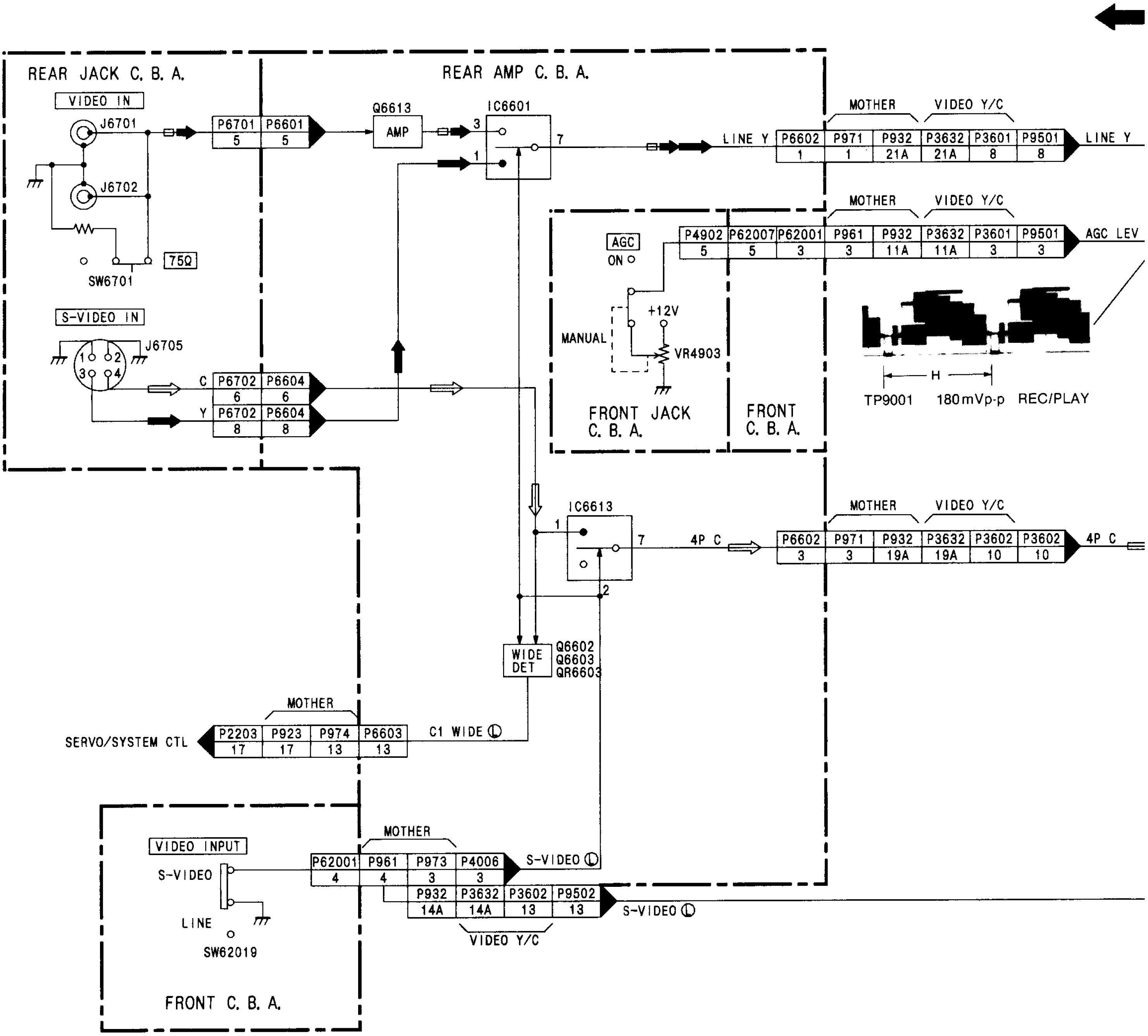
CE MAIN SIGNAL PATH IN PLAYBACK MODE ⇦ CHROMINANCE MAIN SIGNAL PATH IN REC MODE ⇦

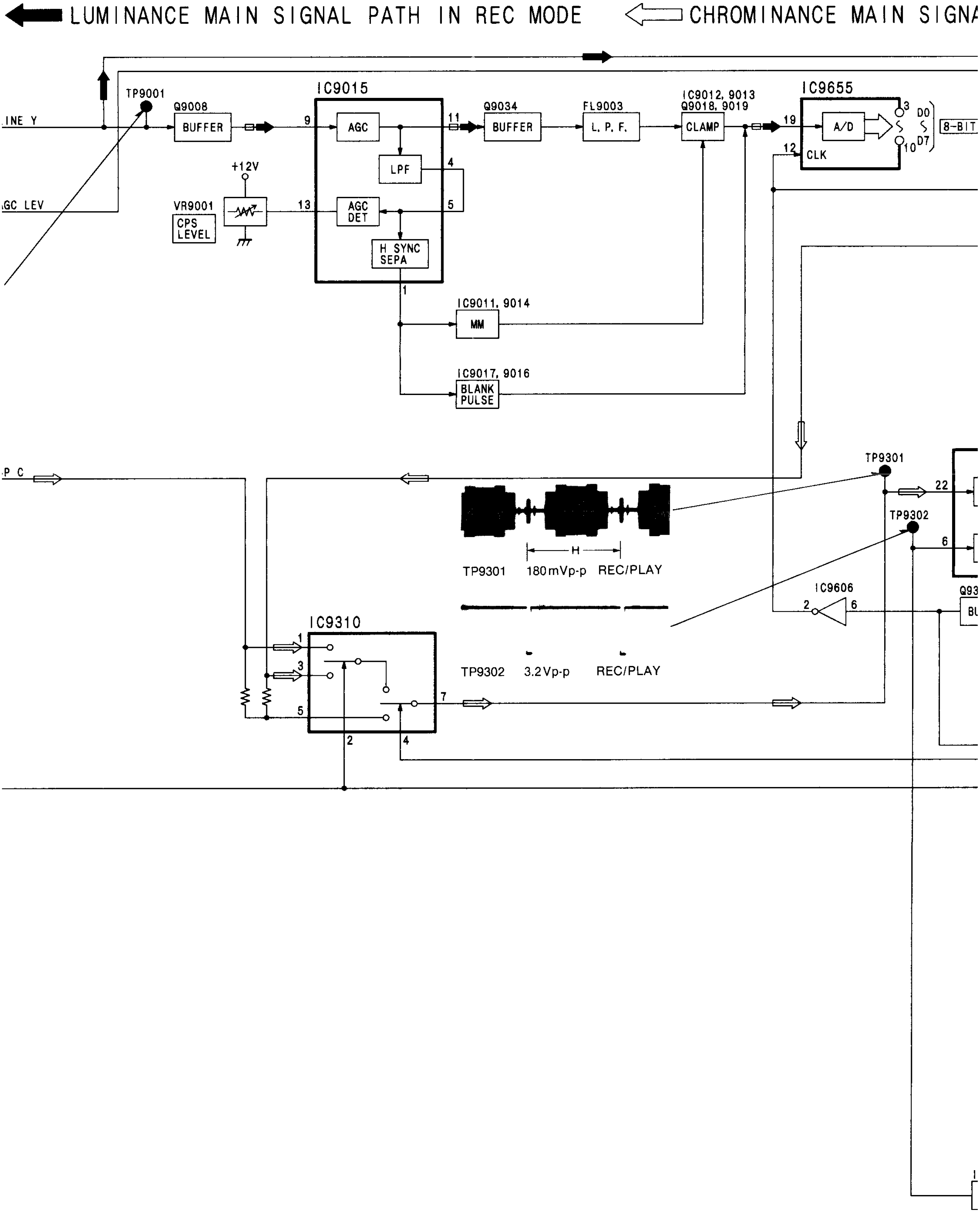

TP3001 400mVp-p REC/PLAY
IC3002
SUB DE-EMPHASIS
FL
FL
IC3001
TP3003 1.0Vp-p REC
Vp-p REC/PLAY
IC3205
<A COLOUR ①>
<PB FSC>
IC3211
IC3213 AMP
FL3205 BPF
IC3213 AMP
TP3401
COMB FILTER
IC3411
FL3401 BPF
Q3401 BUFFER
TP3401 3.0Vp-p 2.5Vp-p REC PLAY
H
IC3502
Q3501 BUFFER
IC3501
BM
FL3501 BPF
IC3503, 4 AMP
IC3506, 7, 8
P. B PAL PULSE
Q3405 BUFFER
X3401, Q3404
4fsc GENERATER
QR3402
IC3403 1H DL
Q3407 BUFFER
FL3403 LPF
IC3404 1H DL
Q3406 BUFFER
FL34 LP
VR3401 Y BAL
IC3401
IC3402
YNR
EQ
LIM
EDIT
NOR
9.5dB
TP3403
QR3403
VR3403 CNR G
Q3403 BUFFER
VR3402 CNR PH
Q3402 AMP
FL3402 1H DELAY
IC3406
THRU AMP
DEM2
LPF
CNC2
DELAY
DEM1
LPF
CNC1
DELAY
CAC CTL
MOD1
CLAMP
90° SHIFT
GAIN CTL
SYNC
MOD2
Q3410, 11 AMP
FL3405 FL
CAC DL VR3408
WB1 VR3406
WB2 VR3410
CAC G VR3407
+12V
FL3406 BPF
IC3407 MM

⇦ CHROMINANCE MAIN SIGNAL PATH IN PLAYBACK MODE


MOTHER
PB FSC
P3632 P932 P931 P3931
11B 11B 36A 36A
VIDEO I/O
03, 4
IC3506, 7, 8, 9, 10, 11
P. B PAL PULSE
PB PAL P
P3632 P932 P922 P2202
26B 26B 13 13
PB FRM
P3632 P932 P921 P2201
24B 24B 16 16
SYSCON & SERVO
401, Q3404
4fsc GENERATER
MOTHER
CNR Y
P3632 P932 P931 P3931
20B 20B 25A 25A
VIDEO I/O
EDIT Ⓗ
P3632 P932 P935 P61001
21B 21B 31A 31A
INTERFACE
Q3406
FL3404
DL
BUFFER
LPF
VR3401
Y BAL
H
TP3403 1.0Vp-p REC
0.8Vp-p PLAY
QR3403
IC3408
AMP
5
7
VR3405
EE C
IC3409
TP3404 0.6Vp-p REC/PLAY
TP3404
MOTHER
C OUT
P3632 P932 P974 P6603
29A 29A 7 7
REAR AMP
IC3412
IC3408
AMP
VR3404
VV C
DL EE SW Ⓛ
P3632 P932 P931 P3931
4A 4A 28A 28A
VIDEO I/O
FL3406
BPF
AC DL
R3408
+12V
WB1
R3406
WB2
R3410
AC G
R3407

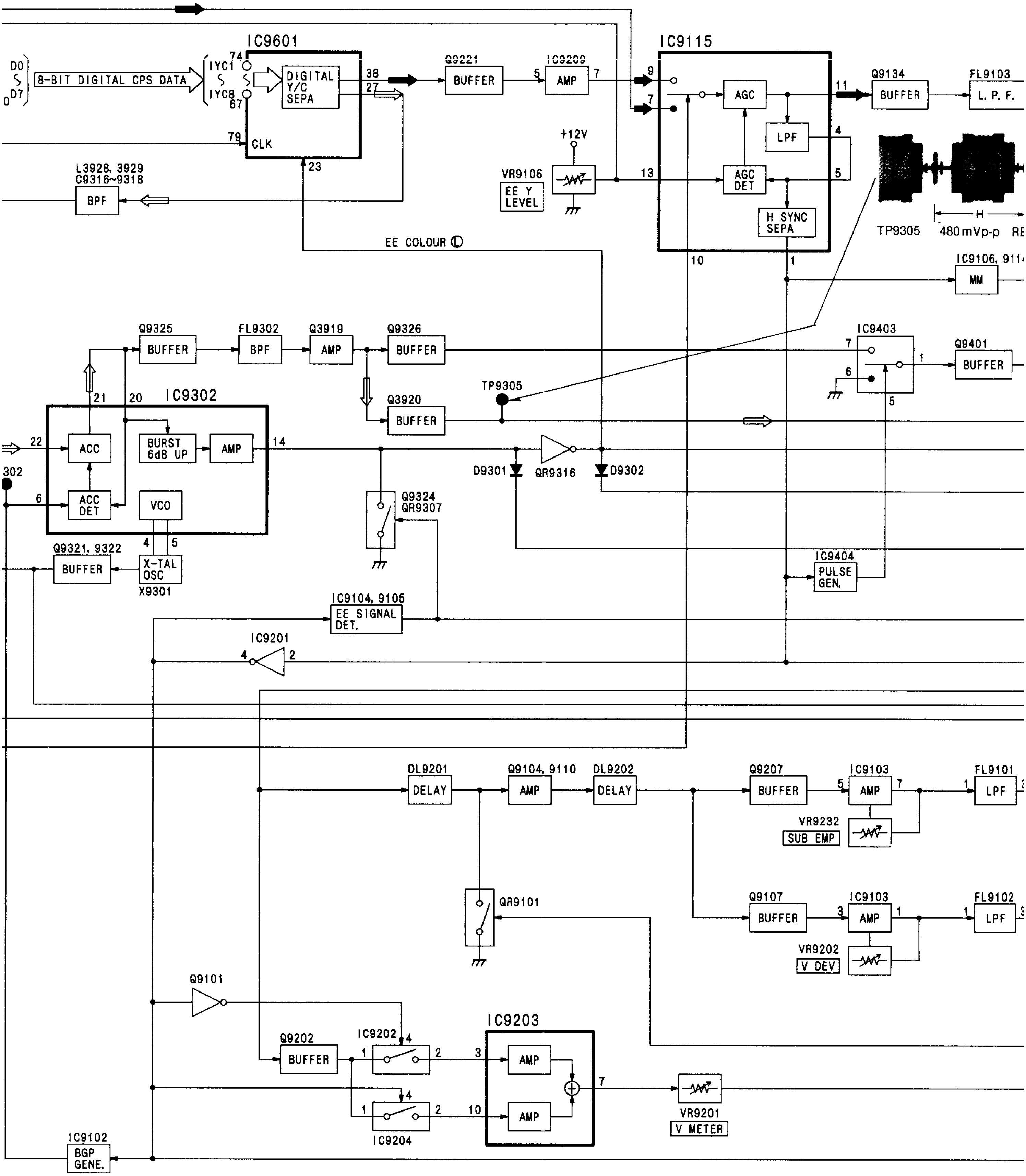
YC REC BLOCK DIAGRAM

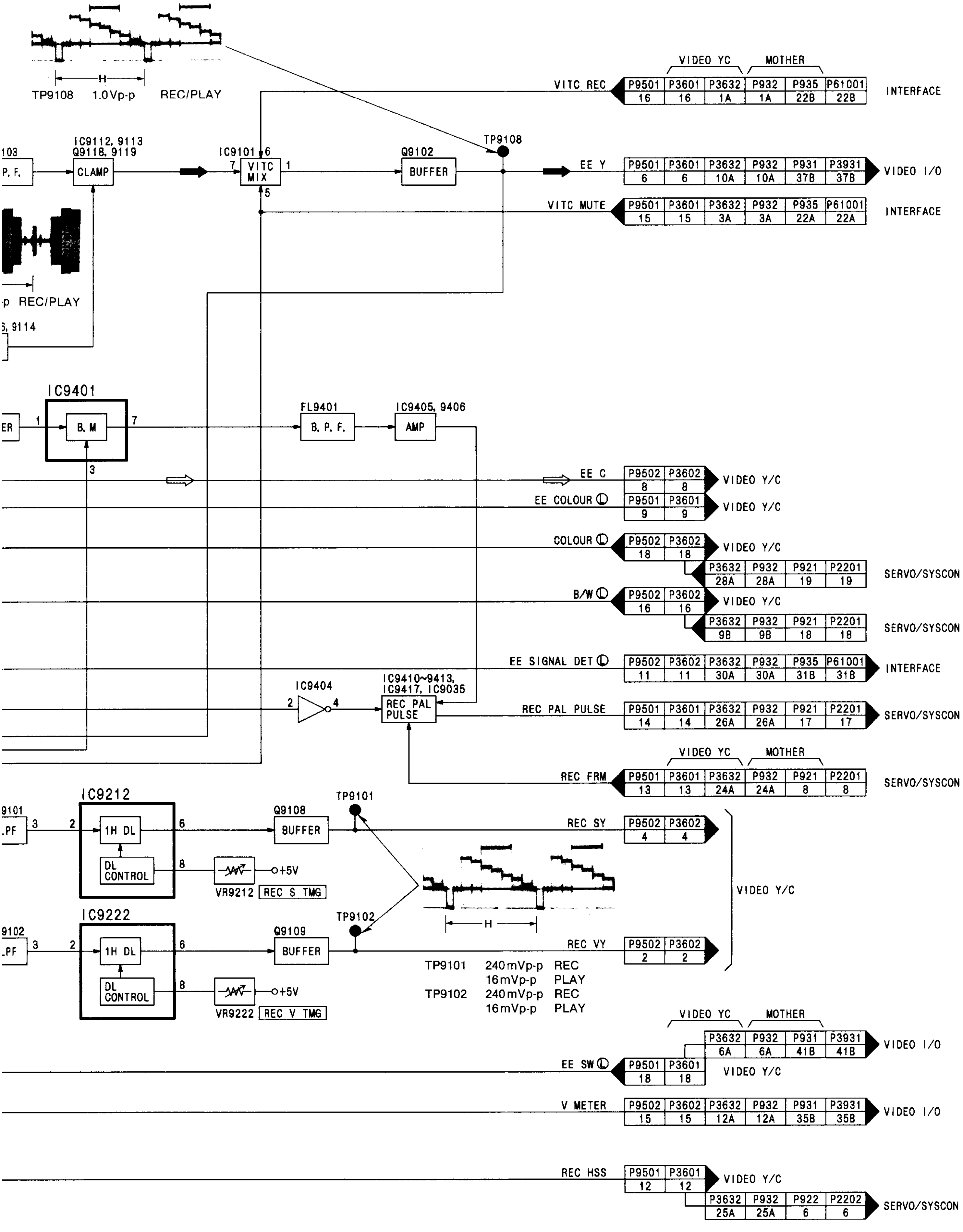

REAR JACK C. B. A.
VIDEO IN
J6701
J6702
75Ω
SW6701
S-VIDEO IN
J6705
1
2
3
4
C
Y
P6701 5
P6601 5
P6702 6
P6604 6
P6702 8
P6604 8
REAR AMP C. B. A.
Q6613
AMP
IC6601
3
1
7
LINE Y
MOTHER
VIDEO Y/C
P6602 1
P971 1
P932 21A
P3632 21A
P3601 8
P9501 8
LINE Y
AGC
ON
MANUAL
+12V
VR4903
FRONT JACK C. B. A.
FRONT C. B. A.
P4902 5
P62007 5
P62001 3
P961 3
P932 11A
P3632 11A
P3601 3
P9501 3
AGC LEV
H
TP9001
180mVp-p
REC/PLAY
IC6613
1
7
2
4P C
P6602 3
P971 3
P932 19A
P3632 19A
P3602 10
P3602 10
4P C
WIDE DET
Q6602
Q6603
QR6603
SERVO/SYSTEM CTL
P2203 17
P923 17
P974 13
P6603 13
C1 WIDE Ⓛ
VIDEO INPUT
S-VIDEO
LINE
SW62019
FRONT C. B. A.
P62001 4
P961 4
P973 3
P4006 3
S-VIDEO Ⓛ
P932 14A
P3632 14A
P3602 13
P9502 13
S-VIDEO Ⓛ
VIDEO Y/C


LUMINANCE MAIN SIGNAL PATH IN REC MODE
CHROMINANCE MAIN SIGNA
INE Y
GC LEV
TP9001
Q9008
BUFFER
IC9015
9
AGC
11
LPF
4
+12V
VR9001
CPS LEVEL
13
AGC DET
5
H SYNC SEPA
1
Q9034
BUFFER
FL9003
L. P. F.
IC9012, 9013
Q9018, 9019
CLAMP
IC9655
19
A/D
3
D0
D7
10
8-BIT
12
CLK
IC9011, 9014
MM
IC9017, 9016
BLANK PULSE
P C
TP9301
TP9301
H
180mVp-p
REC/PLAY
22
TP9302
6
TP9302
3.2Vp-p
REC/PLAY
IC9606
2
6
Q93
BL
IC9310
1
3
5
7
2
4

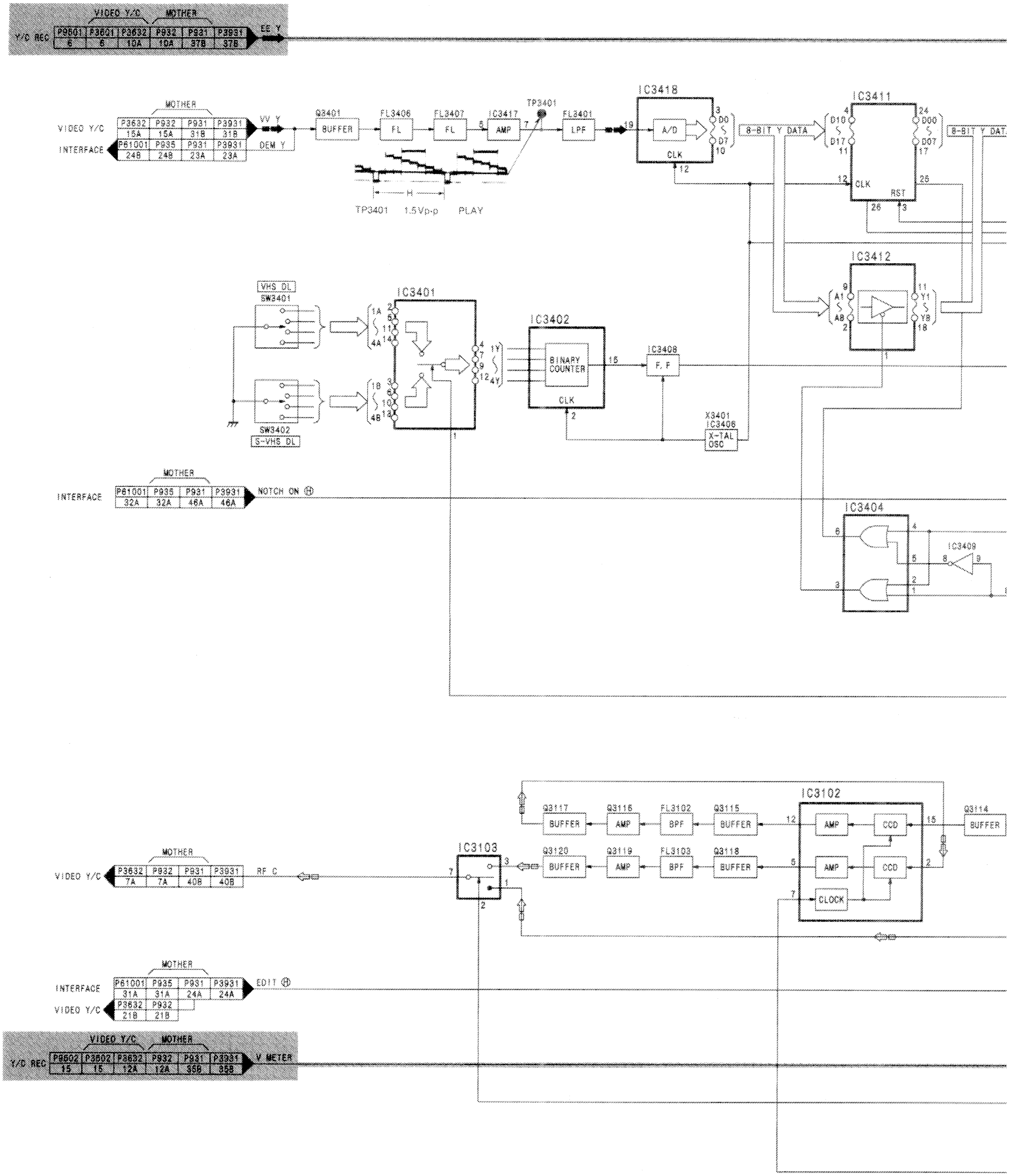
SIGNAL PATH IN REC MODE

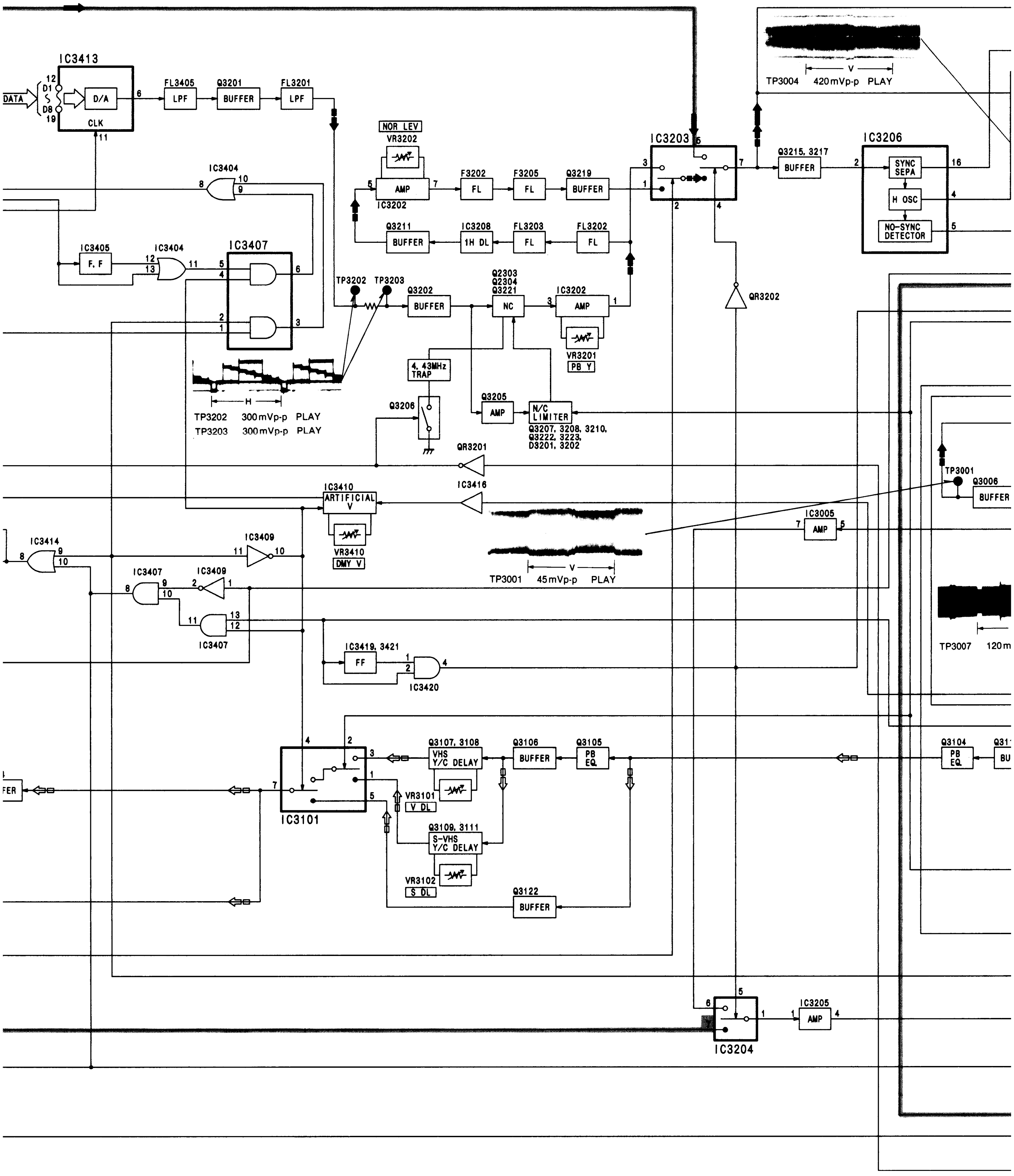
COMPOSITE MAIN SIGNAL PATH IN REC MODE


IC9601
D0
D7
0
8-BIT DIGITAL CPS DATA
IYC1
IYC8
74
67
DIGITAL Y/C SEPA
38
27
79
CLK
23
Q9221
BUFFER
IC9209
AMP
5
7
IC9115
9
7
AGC
LPF
4
AGC DET
5
13
H SYNC SEPA
11
10
1
Q9134
BUFFER
FL9103
L. P. F.
+12V
VR9106
EE Y LEVEL
L3928, 3929
C9316~9318
BPF
EE COLOUR ①
TP9305
H
480mVp-p
RE
IC9106, 911
MM
Q9325
BUFFER
FL9302
BPF
Q3919
AMP
Q9326
BUFFER
IC9403
7
6
1
5
Q9401
BUFFER
21
20
IC9302
Q3920
BUFFER
TP9305
22
ACC
BURST 6dB UP
AMP
14
302
6
ACC DET
VCO
4
5
D9301
QR9316
D9302
Q9324
QR9307
Q9321, 9322
BUFFER
X-TAL OSC
X9301
IC9404
PULSE GEN.
IC9104, 9105
EE SIGNAL DET.
IC9201
4
2
DL9201
DELAY
Q9104, 9110
AMP
DL9202
DELAY
Q9207
BUFFER
IC9103
5
AMP
7
FL9101
1
LPF
VR9232
SUB EMP
QR9101
Q9107
BUFFER
IC9103
3
AMP
1
FL9102
1
LPF
VR9202
V DEV
Q9101
IC9203
Q9202
BUFFER
IC9202
1
4
2
3
AMP
7
1
4
2
10
AMP
IC9204
VR9201
V METER
IC9102
BGP GENE.


TP9108 1.0Vp-p REC/PLAY
H
VIDEO YC
MOTHER
VITC REC
P9501 16 | P3601 16 | P3632 1A | P932 1A | P935 22B | P61001 22B
INTERFACE
103
P. F.
IC9112, 9113
Q9118, 9119
CLAMP
IC9101
VITC MIX
7
6
5
1
Q9102
BUFFER
TP9108
EE Y
P9501 6 | P3601 6 | P3632 10A | P932 10A | P931 37B | P3931 37B
VIDEO I/O
VITC MUTE
P9501 15 | P3601 15 | P3632 3A | P932 3A | P935 22A | P61001 22A
INTERFACE
p REC/PLAY
5, 9114
IC9401
ER
1
B. M
7
3
FL9401
B. P. F.
IC9405, 9406
AMP
EE C
P9502 8 | P3602 8
VIDEO Y/C
EE COLOUR Ⓛ
P9501 9 | P3601 9
VIDEO Y/C
COLOUR Ⓛ
P9502 18 | P3602 18
VIDEO Y/C
P3632 28A | P932 28A | P921 19 | P2201 19
SERVO/SYSCON
B/W Ⓛ
P9502 16 | P3602 16
VIDEO Y/C
P3632 9B | P932 9B | P921 18 | P2201 18
SERVO/SYSCON
EE SIGNAL DET Ⓛ
P9502 11 | P3602 11 | P3632 30A | P932 30A | P935 31B | P61001 31B
INTERFACE
IC9404
2
4
IC9410~9413,
IC9417, IC9035
REC PAL PULSE
REC PAL PULSE
P9501 14 | P3601 14 | P3632 26A | P932 26A | P921 17 | P2201 17
SERVO/SYSCON
VIDEO YC
MOTHER
REC FRM
P9501 13 | P3601 13 | P3632 24A | P932 24A | P921 8 | P2201 8
SERVO/SYSCON
IC9212
9101
.PF
3
2
1H DL
DL CONTROL
6
8
Q9108
BUFFER
TP9101
REC SY
P9502 4 | P3602 4
VR9212
REC S TMG
+5V
VIDEO Y/C
IC9222
9102
.PF
3
2
1H DL
DL CONTROL
6
8
Q9109
BUFFER
TP9102
H
REC VY
P9502 2 | P3602 2
VR9222
REC V TMG
+5V
TP9101 240mVp-p REC
16mVp-p PLAY
TP9102 240mVp-p REC
16mVp-p PLAY
VIDEO YC
MOTHER
P3632 6A | P932 6A | P931 41B | P3931 41B
VIDEO I/O
EE SW Ⓛ
P9501 18 | P3601 18
VIDEO Y/C
V METER
P9502 15 | P3602 15 | P3632 12A | P932 12A | P931 35B | P3931 35B
VIDEO I/O
REC HSS
P9501 12 | P3601 12
VIDEO Y/C
P3632 25A | P932 25A | P922 6 | P2202 6
SERVO/SYSCON

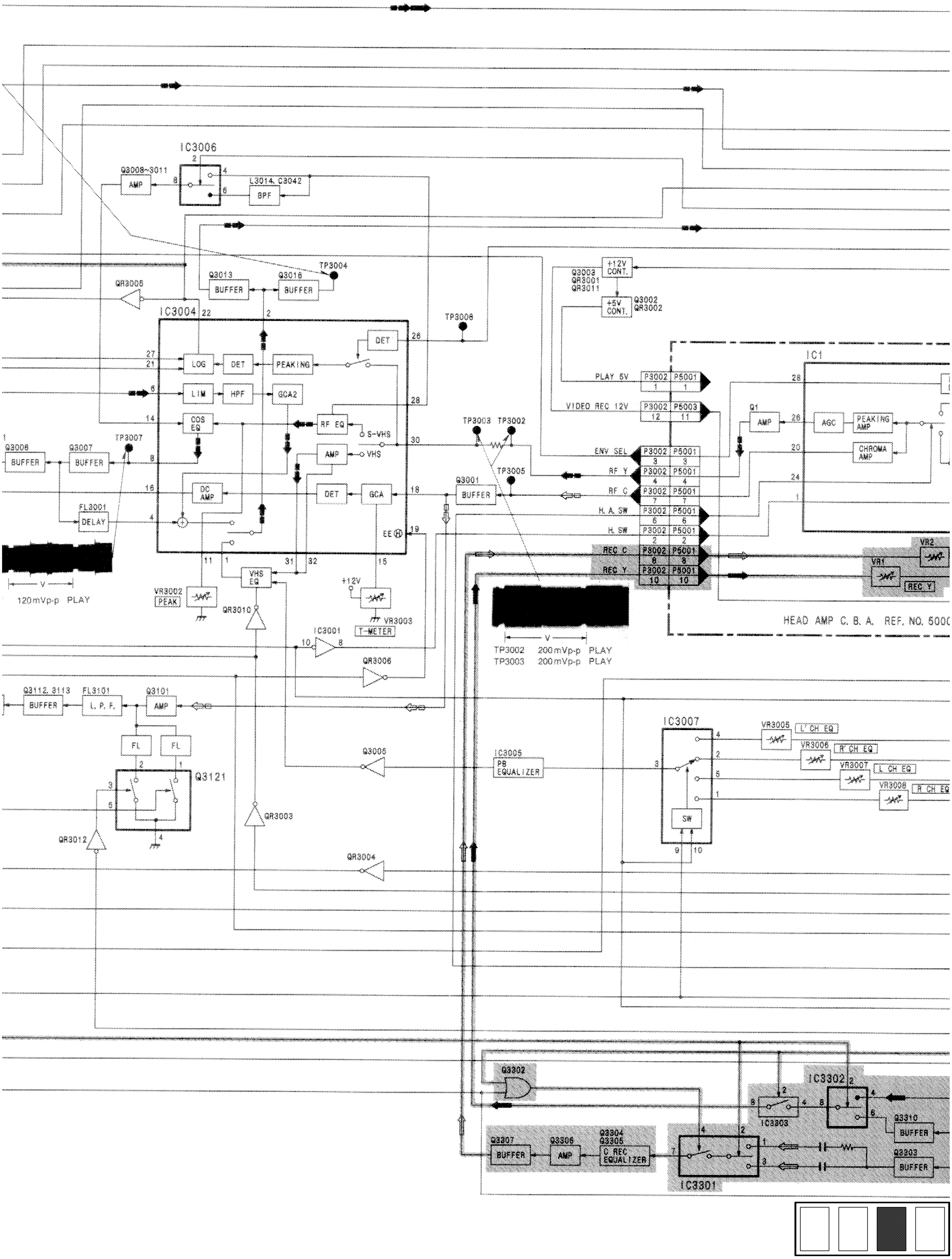
VIDEO I/O BLOCK DIAGRAM


VIDEO Y/C
MOTHER
Y/C REC
P9601 6
P3601 6
P3632 10A
P932 10A
P931 37B
P3931 37B
EE Y
VIDEO Y/C
INTERFACE
P3632 15A
P932 15A
P931 31B
P3931 31B
P61001 24B
P935 24B
P931 23A
P3931 23A
VV Y
DEM Y
Q3401 BUFFER
FL3406 FL
FL3407 FL
IC3417 AMP
TP3401
FL3401 LPF
TP3401 1.5Vp-p PLAY
H
IC3418
A/D
CLK
D0
D7
8-BIT Y DATA
IC3411
D10
D17
D00
D07
CLK
RST
IC3412
A1
A8
Y1
Y8
VHS DL
SW3401
SW3402
S-VHS DL
IC3401
1A
4A
1B
4B
1Y
4Y
IC3402
BINARY COUNTER
CLK
IC3408
F. F
X3401
IC3406
X-TAL OSC
INTERFACE
P61001 32A
P935 32A
P931 46A
P3931 46A
NOTCH ON Ⓗ
IC3404
IC3409
Q3117 BUFFER
Q3116 AMP
FL3102 BPF
Q3115 BUFFER
IC3102
AMP
CCD
CLOCK
Q3114 BUFFER
IC3103
Q3120 BUFFER
Q3119 AMP
FL3103 BPF
Q3118 BUFFER
VIDEO Y/C
P3632 7A
P932 7A
P931 40B
P3931 40B
RF C
INTERFACE
P61001 31A
P935 31A
P931 24A
P3931 24A
EDIT Ⓗ
VIDEO Y/C
P3632 21B
P932 21B
Y/C REC
P9602 15
P3602 15
P3632 12A
P932 12A
P931 35B
P3931 35B
V METER


IC3413
DATA
D1
D8
12
19
D/A
CLK
6
11
FL3405
LPF
Q3201
BUFFER
FL3201
LPF
NOR LEV
VR3202
AMP
IC3202
5
7
F3202
FL
F3205
FL
Q3219
BUFFER
Q3211
BUFFER
IC3208
1H DL
FL3203
FL
FL3202
FL
IC3404
8
10
9
IC3405
F.F
IC3404
12
13
11
IC3407
5
4
6
2
1
3
TP3202
TP3203
Q3202
BUFFER
Q2303
Q2304
Q3221
NC
IC3202
AMP
3
1
VR3201
PB Y
4.43MHz
TRAP
Q3206
Q3205
AMP
N/C
LIMITER
Q3207, 3208, 3210,
Q3222, 3223,
D3201, 3202
H
TP3202 300mVp-p PLAY
TP3203 300mVp-p PLAY
QR3201
IC3416
IC3410
ARTIFICIAL
V
VR3410
DMY V
IC3409
11
10
IC3414
8
9
10
IC3407
8
9
10
IC3409
2
1
11
13
12
IC3407
V
TP3001 45mVp-p PLAY
IC3419, 3421
FF
1
2
4
IC3420
IC3203
6
3
1
7
2
4
QR3202
TP3004 420mVp-p PLAY
V
Q3215, 3217
BUFFER
IC3206
2
SYNC
SEPA
16
H OSC
4
NO-SYNC
DETECTOR
5
TP3001
Q3006
BUFFER
IC3005
7
AMP
5
TP3007 120m
4
2
3
1
5
7
IC3101
FER
Q3107, 3108
VHS
Y/C DELAY
VR3101
V DL
Q3109, 3111
S-VHS
Y/C DELAY
VR3102
S DL
Q3106
BUFFER
Q3105
PB
EQ
Q3122
BUFFER
Q3104
PB
EQ
Q31
BU
6
5
1
IC3204
IC3205
1
AMP
4

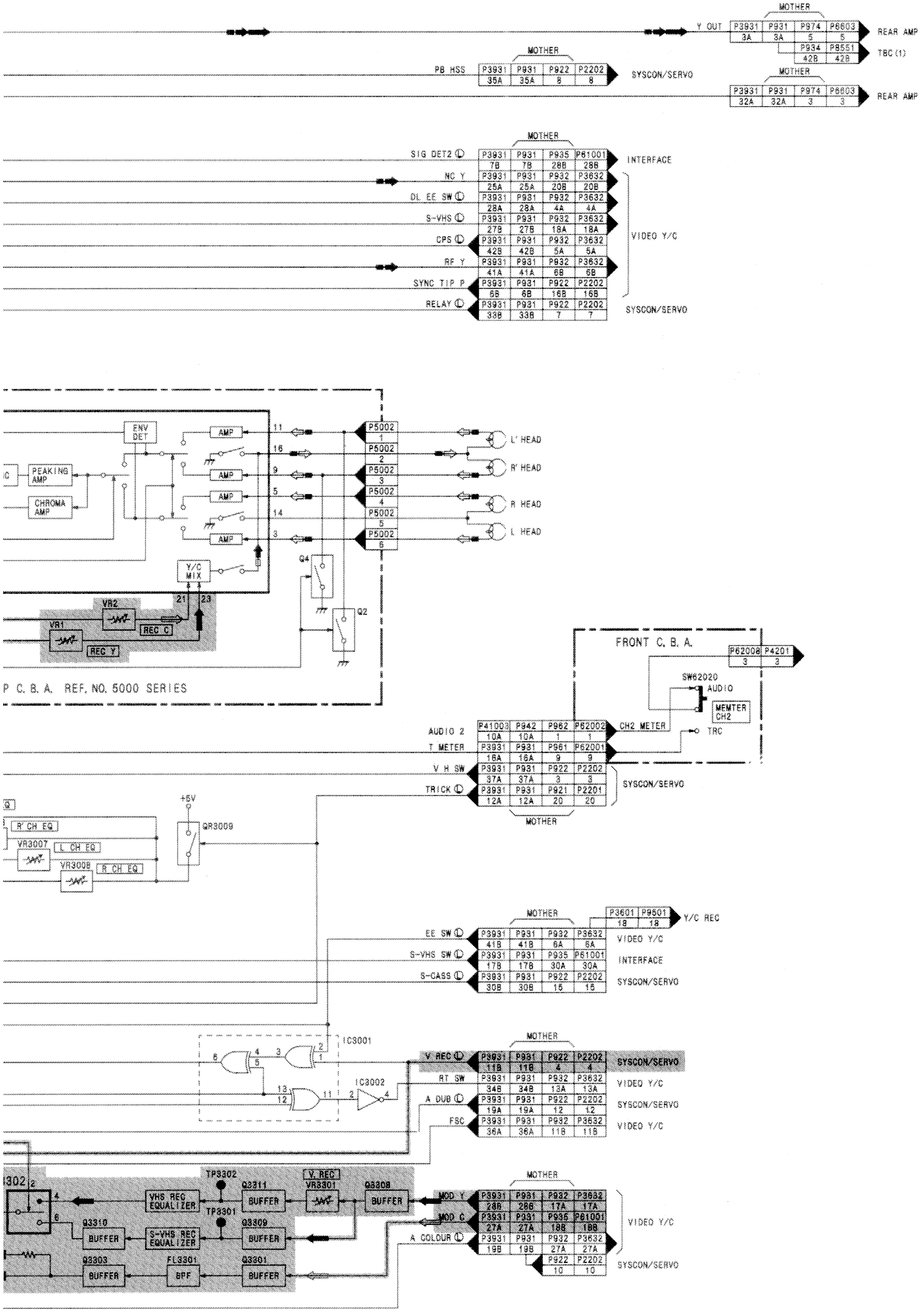
LUMINANCE MAIN SIGNAL PATH IN REC MODE
LUMINANCE MAIN SIGNAL PATH IN PLAYBACK MODE

CHROMINANCE MAIN SIGNAL P
CHROMINANCE MAIN SIGNAL P

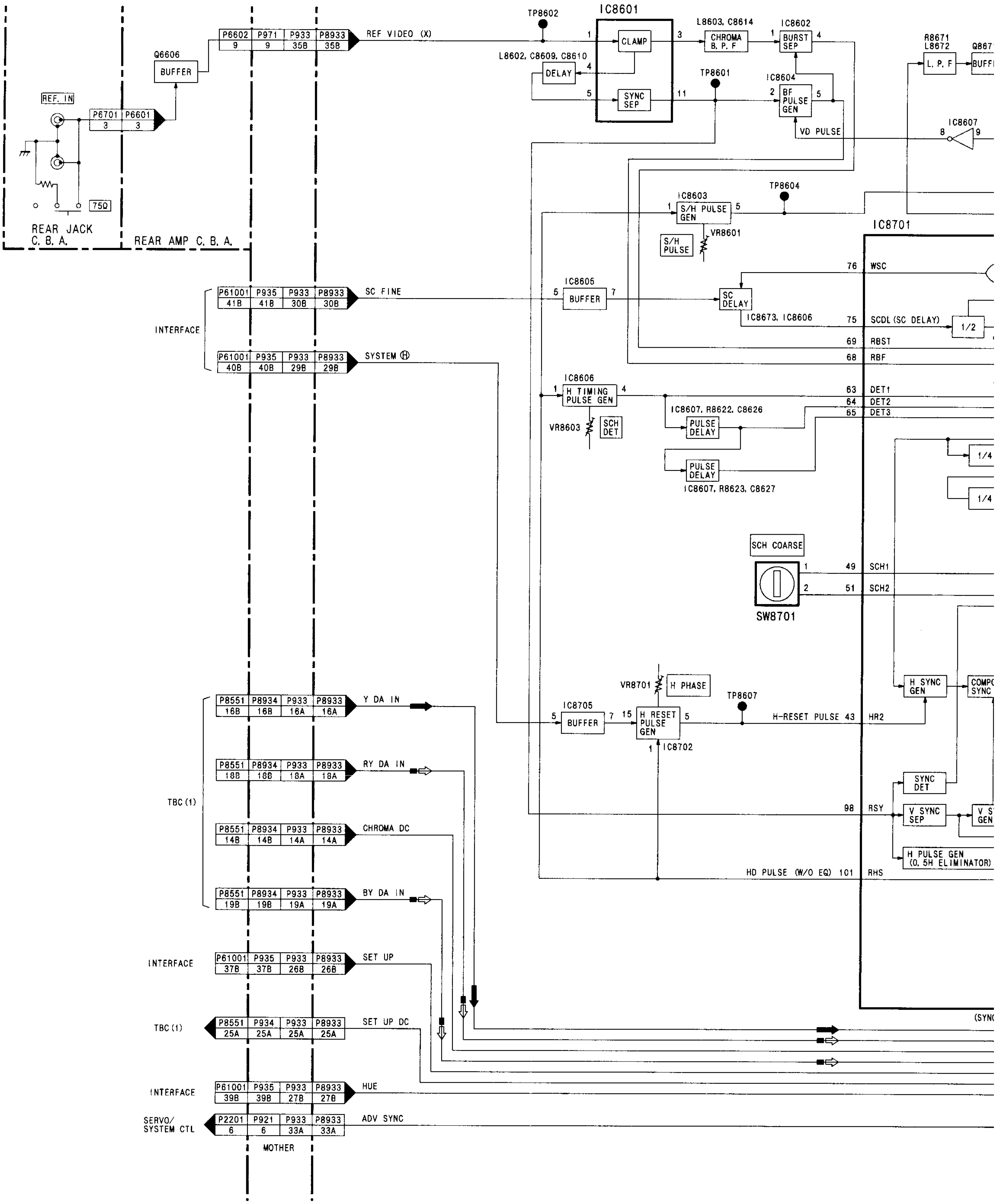

IC3006
Q3008~3011
AMP
L3014, C3042
BPF
TP3004
QR3005
Q3013
BUFFER
Q3016
BUFFER
IC3004
LOG
DET
PEAKING
LIM
HPF
GCA2
COS EQ
RF EQ
S-VHS
AMP
VHS
DC AMP
DET
GCA
EE
TP3006
TP3007
Q3006
BUFFER
Q3007
BUFFER
FL3001
DELAY
120mVp-p PLAY
VR3002
PEAK
QR3010
VHS EQ
+12V
VR3003
T-METER
IC3001
QR3006
TP3003
TP3002
TP3005
Q3001
BUFFER
TP3002 200mVp-p PLAY
TP3003 200mVp-p PLAY
Q3003
QR3001
QR3011
+12V CONT.
+5V CONT.
Q3002
QR3002
PLAY 5V
VIDEO REC 12V
ENV SEL
RF Y
RF C
H. A. SW
H. SW
REC C
REC Y
P3002
P5001
P5003
IC1
Q1
AMP
AGC
PEAKING AMP
CHROMA AMP
VR1
VR2
REC Y
HEAD AMP C. B. A. REF. NO. 5000
Q3112, 3113
BUFFER
FL3101
L. P. F.
Q3101
AMP
FL
FL
Q3121
QR3012
Q3005
IC3005
PB EQUALIZER
IC3007
SW
VR3005
L CH EQ
VR3006
R CH EQ
VR3007
L CH EQ
VR3008
R CH EQ
QR3003
QR3004
Q3302
IC3303
IC3302
Q3310
BUFFER
Q3303
BUFFER
Q3307
BUFFER
Q3306
AMP
Q3304
Q3305
C REC EQUALIZER
IC3301

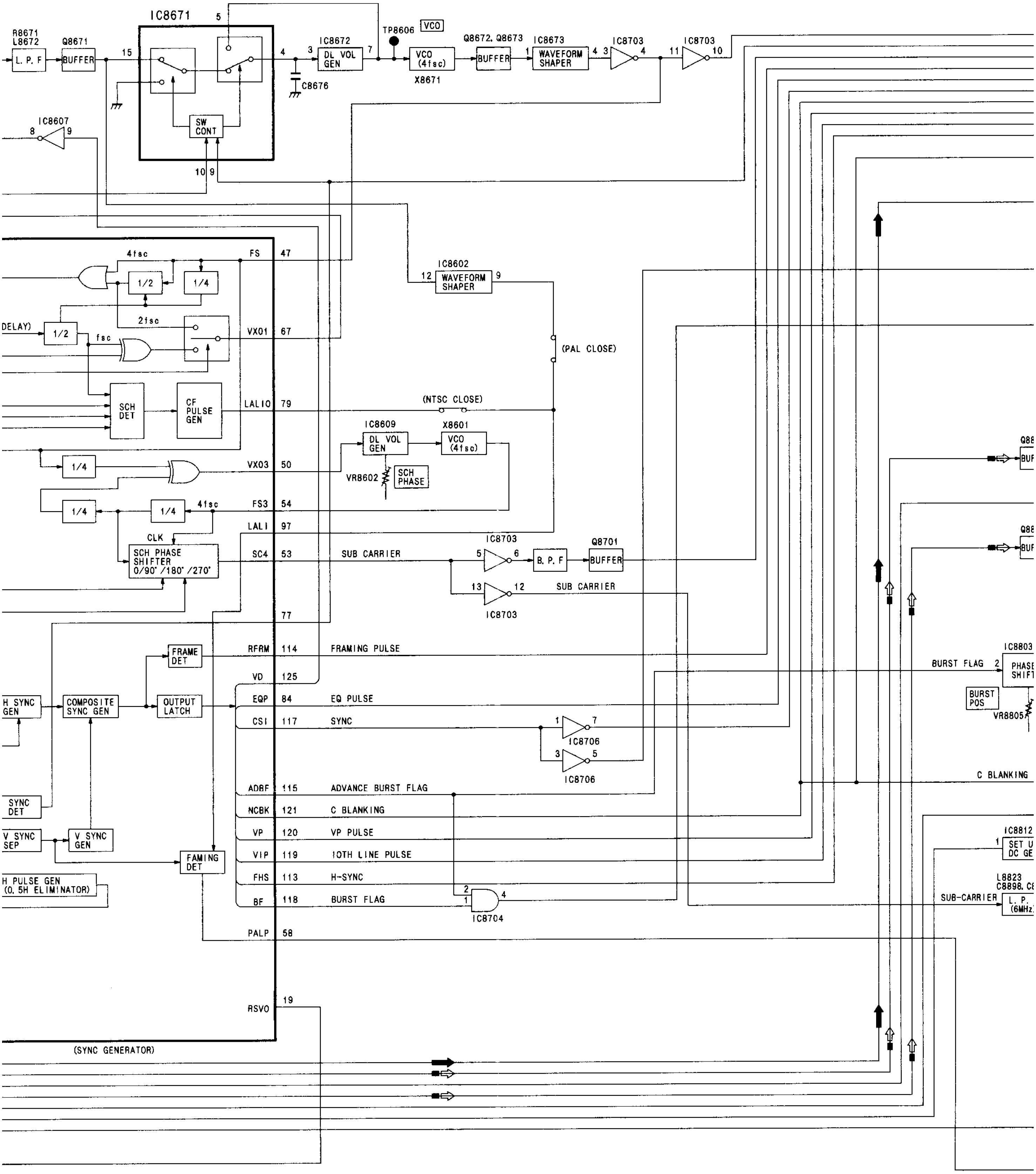
AIN SIGNAL PATH IN REC MODE ◀━□ COMPOSITE MAIN SIGNAL PATH IN REC MODE

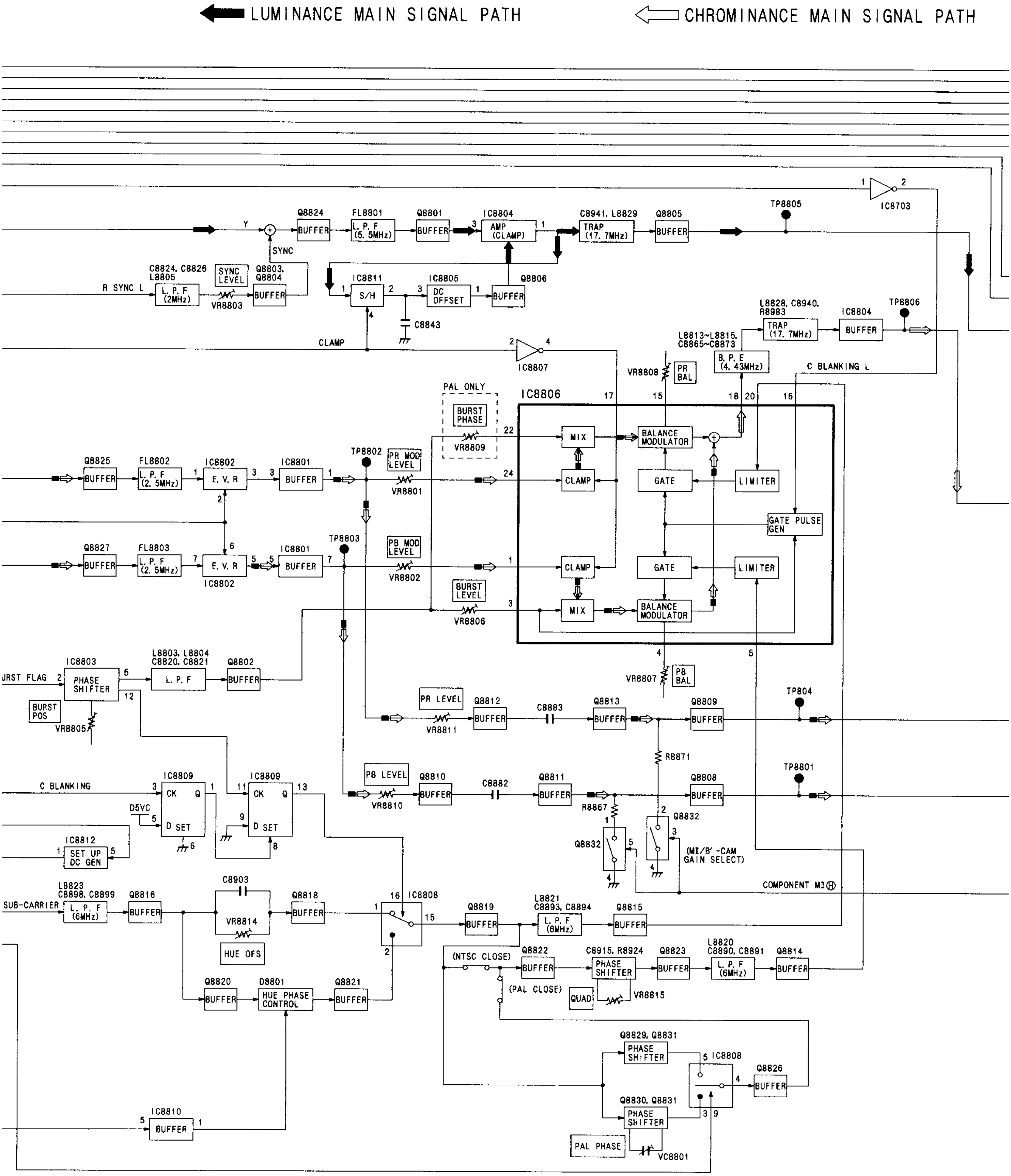
AIN SIGNAL PATH IN PLAYBACK MODE ⇦■ COMPOSITE MAIN SIGNAL PATH IN PLAYBACK MODE

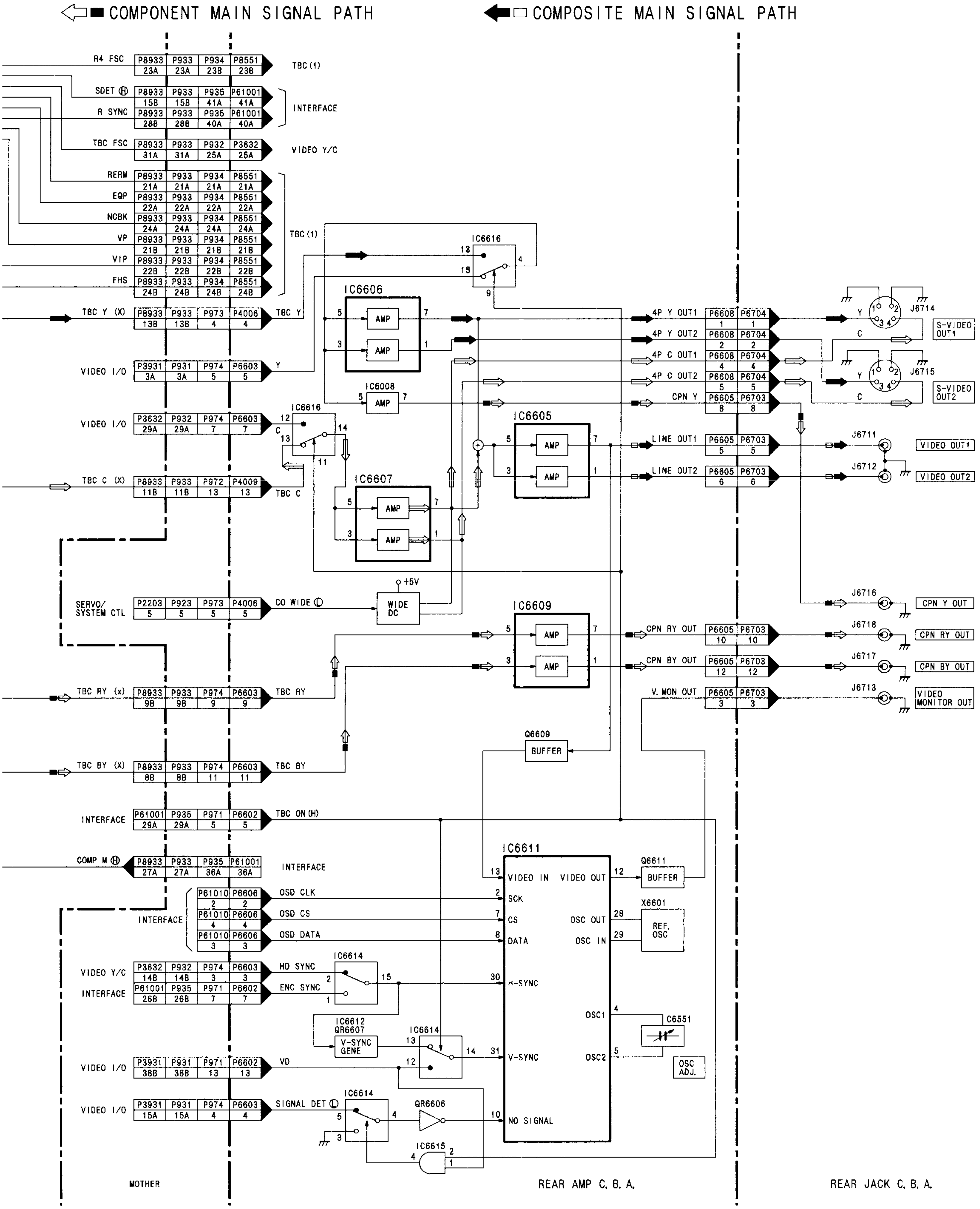

Y OUT
MOTHER
P3931 3A
P931 3A
P974 5
P6603 5
REAR AMP
P934 42B
P8551 42B
TBC (1)
PB HSS
P3931 35A
P931 35A
P922 8
P2202 8
SYSCON/SERVO
P3931 32A
P931 32A
P974 3
P6603 3
REAR AMP
SIG DET2
P3931 7B
P931 7B
P935 28B
P61001 28B
INTERFACE
NC Y
P3931 25A
P931 25A
P932 20B
P3632 20B
DL EE SW
P3931 28A
P931 28A
P932 4A
P3632 4A
S-VHS
P3931 27B
P931 27B
P932 18A
P3632 18A
VIDEO Y/C
CPS
P3931 42B
P931 42B
P932 5A
P3632 5A
RF Y
P3931 41A
P931 41A
P932 6B
P3632 6B
SYNC TIP P
P3931 6B
P931 6B
P922 16B
P2202 16B
RELAY
P3931 33B
P931 33B
P922 7
P2202 7
SYSCON/SERVO
ENV DET
AMP
PEAKING AMP
CHROMA AMP
Y/C MIX
P5002 1
P5002 2
P5002 3
P5002 4
P5002 5
P5002 6
11
16
9
5
14
3
L' HEAD
R' HEAD
R HEAD
L HEAD
Q4
Q2
VR2
VR1
REC C
REC Y
21
23
P C. B. A. REF. NO. 5000 SERIES
FRONT C. B. A.
P62008 3
P4201 3
SW62020
AUDIO
MEMTER CH2
TRC
CH2 METER
AUDIO 2
P41003 10A
P942 10A
P962 1
P62002 1
T METER
P3931 16A
P931 16A
P961 9
P62001 9
V H SW
P3931 37A
P931 37A
P922 3
P2202 3
SYSCON/SERVO
TRICK
P3931 12A
P931 12A
P921 20
P2201 20
MOTHER
+5V
QR3009
R CH EQ
VR3007
L CH EQ
VR3008
R CH EQ
MOTHER
P3601 18
P9501 18
Y/C REC
EE SW
P3931 41B
P931 41B
P932 6A
P3632 6A
VIDEO Y/C
S-VHS SW
P3931 17B
P931 17B
P935 30A
P61001 30A
INTERFACE
S-CASS
P3931 30B
P931 30B
P922 15
P2202 15
SYSCON/SERVO
IC3001
6
4
5
3
2
1
13
12
11
IC3002
2
4
MOTHER
V REC
P3931 11B
P931 11B
P922 4
P2202 4
SYSCON/SERVO
RT SW
P3931 34B
P931 34B
P932 13A
P3632 13A
VIDEO Y/C
A DUB
P3931 19A
P931 19A
P922 12
P2202 12
SYSCON/SERVO
FSC
P3931 36A
P931 36A
P932 11B
P3632 11B
VIDEO Y/C
3302
2
4
6
TP3302
TP3301
VHS REC EQUALIZER
S-VHS REC EQUALIZER
Q3311
BUFFER
V REC
VR3301
Q3308
BUFFER
Q3310
BUFFER
Q3309
BUFFER
Q3303
BUFFER
FL3301
BPF
Q3301
BUFFER
MOTHER
MOD Y
P3931 28B
P931 28B
P932 17A
P3632 17A
MOD C
P3931 27A
P931 27A
P935 18B
P61001 18B
VIDEO Y/C
A COLOUR
P3931 19B
P931 19B
P932 27A
P3632 27A
P922 10
P2202 10
SYSCON/SERVO

TBC (2) BLOCK DIAGRAM

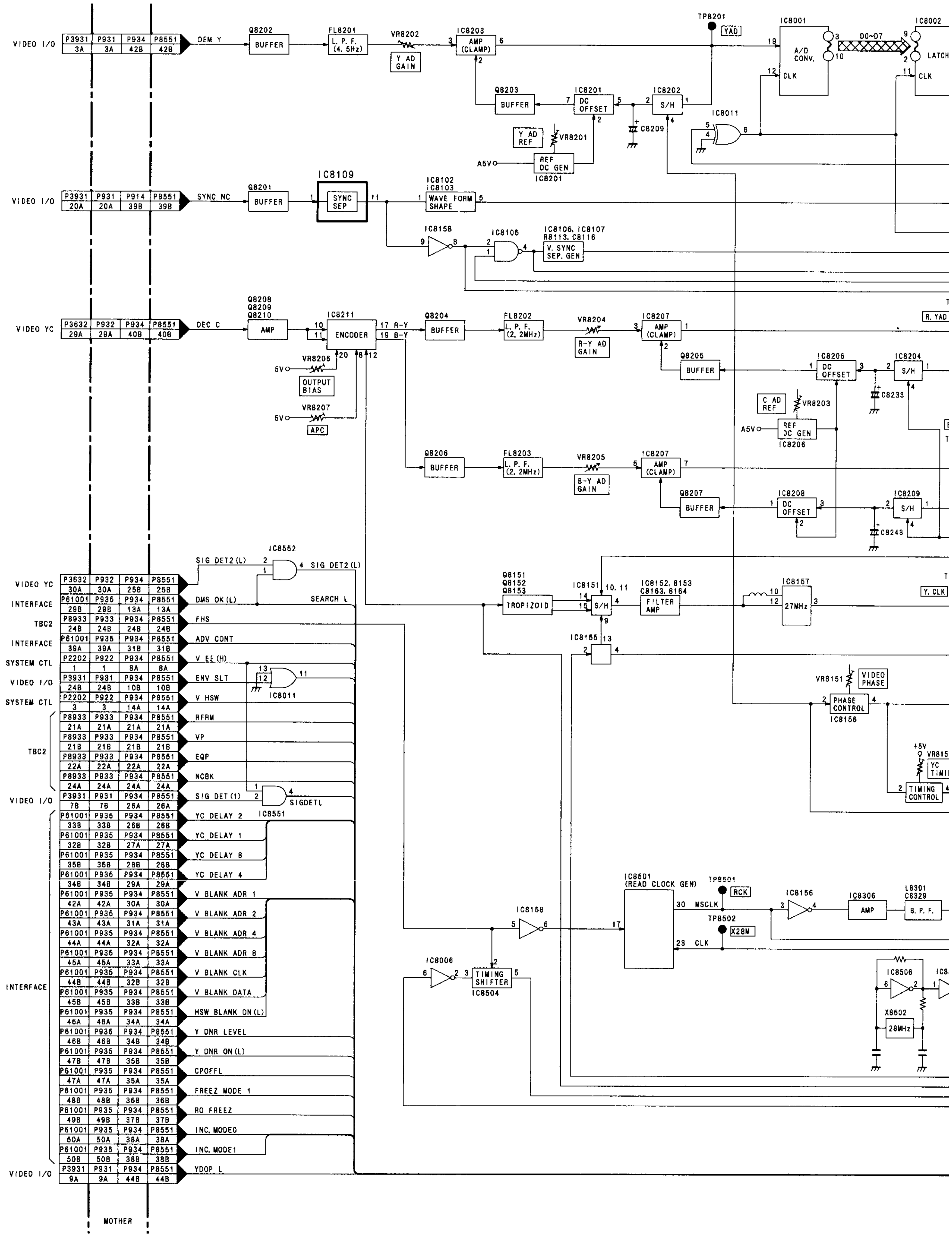

REF. IN
75Ω
REAR JACK C. B. A.
REAR AMP C. B. A.
P6701 3
P6601 3
Q6606
BUFFER
P6602 9
P971 9
P933 35B
P8933 35B
REF VIDEO (X)
TP8602
IC8601
CLAMP
DELAY
SYNC SEP
L8602, C8609, C8610
L8603, C8614
CHROMA B. P. F
IC8602
BURST SEP
TP8601
IC8604
BF PULSE GEN
VD PULSE
R8671
L8672
L. P. F
Q867
BUFF
IC8607
IC8603
S/H PULSE GEN
TP8604
S/H PULSE
VR8601
IC8701
INTERFACE
P61001 41B
P935 41B
P933 30B
P8933 30B
SC FINE
IC8605
BUFFER
SC DELAY
IC8673, IC8606
P61001 40B
P935 40B
P933 29B
P8933 29B
SYSTEM Ⓗ
76 WSC
75 SCDL (SC DELAY)
1/2
69 RBST
68 RBF
IC8606
H TIMING PULSE GEN
VR8603
SCH DET
IC8607, R8622, C8626
PULSE DELAY
PULSE DELAY
IC8607, R8623, C8627
63 DET1
64 DET2
65 DET3
1/4
1/4
SCH COARSE
SW8701
49 SCH1
51 SCH2
VR8701
H PHASE
TP8607
IC8705
BUFFER
H RESET PULSE GEN
IC8702
H-RESET PULSE 43 HR2
H SYNC GEN
COMP SYNC
SYNC DET
98 RSY
V SYNC SEP
V S GEN
H PULSE GEN (0. 5H ELIMINATOR)
HD PULSE (W/O EQ) 101 RHS
TBC (1)
P8551 16B
P8934 16B
P933 16A
P8933 16A
Y DA IN
P8551 18B
P8934 18B
P933 18A
P8933 18A
RY DA IN
P8551 14B
P8934 14B
P933 14A
P8933 14A
CHROMA DC
P8551 19B
P8934 19B
P933 19A
P8933 19A
BY DA IN
INTERFACE
P61001 37B
P935 37B
P933 26B
P8933 26B
SET UP
TBC (1)
P8551 25A
P934 25A
P933 25A
P8933 25A
SET UP DC
INTERFACE
P61001 39B
P935 39B
P933 27B
P8933 27B
HUE
SERVO/ SYSTEM CTL
P2201 6
P921 6
P933 33A
P8933 33A
ADV SYNC
MOTHER
(SYN


IC8671
5
R8671
L8672
L. P. F
Q8671
BUFFER
15
4
3
IC8672
DL VOL GEN
7
TP8606
VCO
VCO (4fsc)
X8671
C8676
Q8672, Q8673
BUFFER
1
IC8673
WAVEFORM SHAPER
4
3
IC8703
4
11
IC8703
10
IC8607
8
9
SW CONT
10
9
4fsc
FS
47
1/2
1/4
2fsc
DELAY)
1/2
fsc
VX01
67
IC8602
12
WAVEFORM SHAPER
9
(PAL CLOSE)
SCH DET
CF PULSE GEN
LALIO
79
(NTSC CLOSE)
IC8609
DL VOL GEN
X8601
VCO (4fsc)
1/4
VX03
50
VR8602
SCH PHASE
1/4
1/4
4fsc
FS3
54
LALI
97
CLK
SCH PHASE SHIFTER 0/90°/180°/270°
SC4
53
SUB CARRIER
IC8703
5
6
B. P. F
Q8701
BUFFER
13
12
SUB CARRIER
IC8703
77
FRAME DET
RFRM
114
FRAMING PULSE
VD
125
H SYNC GEN
COMPOSITE SYNC GEN
OUTPUT LATCH
EQP
84
EQ PULSE
CSI
117
SYNC
1
7
IC8706
3
5
IC8706
ADBF
115
ADVANCE BURST FLAG
SYNC DET
NCBK
121
C BLANKING
V SYNC SEP
V SYNC GEN
FAMING DET
VP
120
VP PULSE
VIP
119
10TH LINE PULSE
H PULSE GEN (0.5H ELIMINATOR)
FHS
113
H-SYNC
2
1
4
IC8704
BF
118
BURST FLAG
PALP
58
RSVO
19
(SYNC GENERATOR)
Q88
BUF
Q88
BUF
IC8803
BURST FLAG
2
PHASE SHIFT
BURST POS
VR8805
C BLANKING
IC8812
1
SET U DC GE
L8823
C8898, C
SUB-CARRIER
L. P. (6MHz

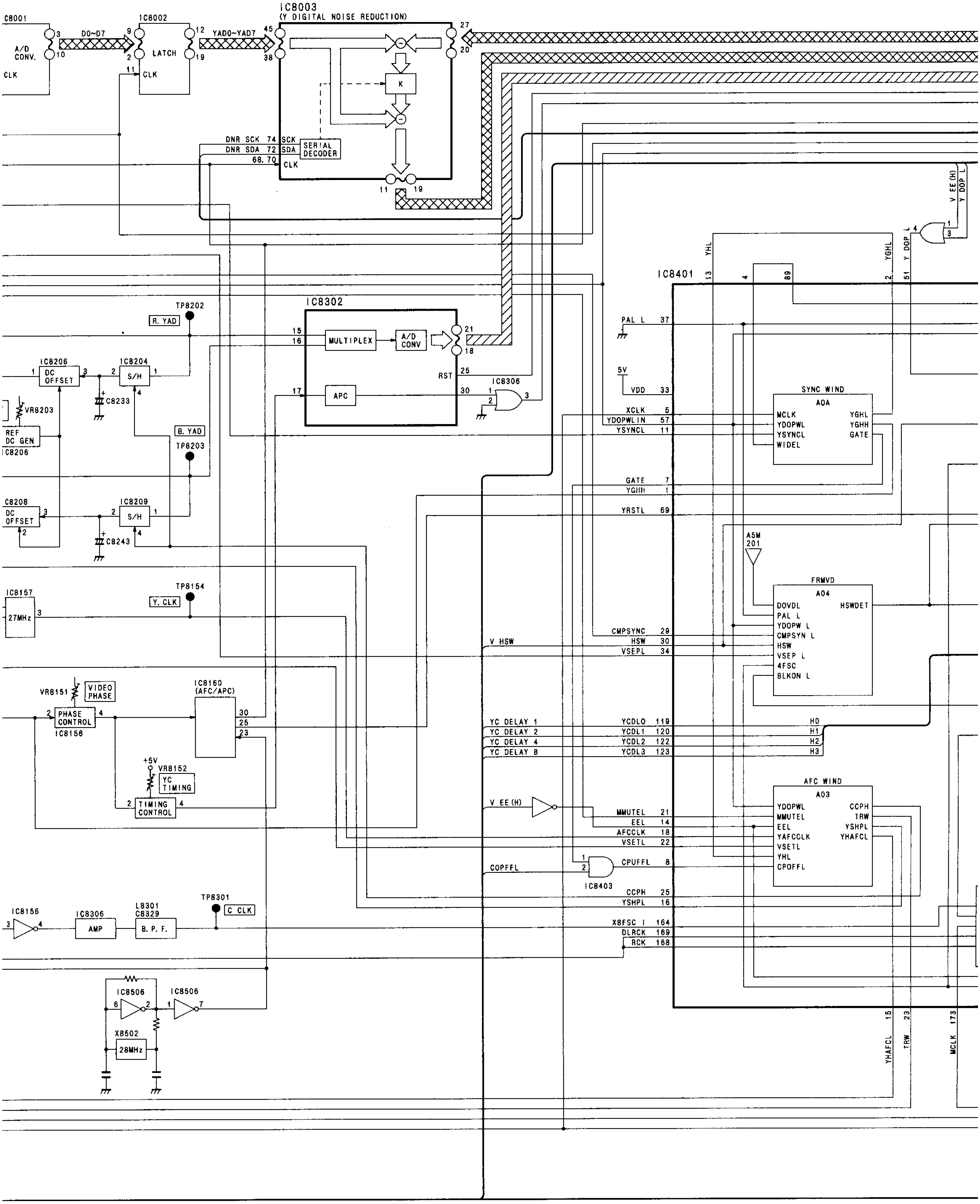

LUMINANCE MAIN SIGNAL PATH
CHROMINANCE MAIN SIGNAL PATH
Y
SYNC
Q8824
BUFFER
FL8801
L. P. F (5. 5MHz)
Q8801
BUFFER
IC8804
AMP (CLAMP)
C8941, L8829
TRAP (17. 7MHz)
Q8805
BUFFER
TP8805
IC8703
R SYNC L
C8824, C8826 L8805
L. P. F (2MHz)
SYNC LEVEL
VR8803
Q8803, Q8804
BUFFER
IC8811
S/H
IC8805
DC OFFSET
Q8806
BUFFER
C8843
CLAMP
IC8807
L8828, C8940, R8983
TRAP (17. 7MHz)
IC8804
BUFFER
TP8806
L8813~L8815, C8865~C8873
B. P. E (4. 43MHz)
VR8808
PR BAL
C BLANKING L
PAL ONLY
BURST PHASE
VR8809
IC8806
MIX
BALANCE MODULATOR
CLAMP
GATE
LIMITER
GATE PULSE GEN
CLAMP
GATE
LIMITER
MIX
BALANCE MODULATOR
Q8825
BUFFER
FL8802
L. P. F (2. 5MHz)
IC8802
E. V. R
IC8801
BUFFER
TP8802
PR MOD LEVEL
VR8801
Q8827
BUFFER
FL8803
L. P. F (2. 5MHz)
E. V. R
IC8802
IC8801
BUFFER
TP8803
PB MOD LEVEL
VR8802
BURST LEVEL
VR8806
VR8807
PB BAL
URST FLAG
IC8803
PHASE SHIFTER
BURST POS
VR8805
L8803, L8804 C8820, C8821
L. P. F
Q8802
BUFFER
PR LEVEL
VR8811
Q8812
BUFFER
C8883
Q8813
BUFFER
Q8809
BUFFER
TP804
R8871
PB LEVEL
VR8810
Q8810
BUFFER
C8882
Q8811
BUFFER
Q8808
BUFFER
TP8801
R8867
Q8832
Q8832
(MII/B'-CAM GAIN SELECT)
COMPONENT MII Ⓗ
C BLANKING
IC8809
CK Q
D SET
D5VC
IC8809
CK Q
D SET
IC8812
SET UP DC GEN
SUB-CARRIER
L8823 C8898, C8899
L. P. F (6MHz)
Q8816
BUFFER
C8903
VR8814
HUE OFS
Q8818
BUFFER
IC8808
Q8819
BUFFER
L8821 C8893, C8894
L. P. F (6MHz)
Q8815
BUFFER
Q8820
BUFFER
D8801
HUE PHASE CONTROL
Q8821
BUFFER
(NTSC CLOSE)
(PAL CLOSE)
Q8822
BUFFER
C8915, R8924
PHASE SHIFTER
QUAD
VR8815
Q8823
BUFFER
L8820 C8890, C8891
L. P. F (6MHz)
Q8814
BUFFER
Q8829, Q8831
PHASE SHIFTER
IC8808
Q8826
BUFFER
Q8830, Q8831
PHASE SHIFTER
PAL PHASE
VC8801
IC8810
BUFFER

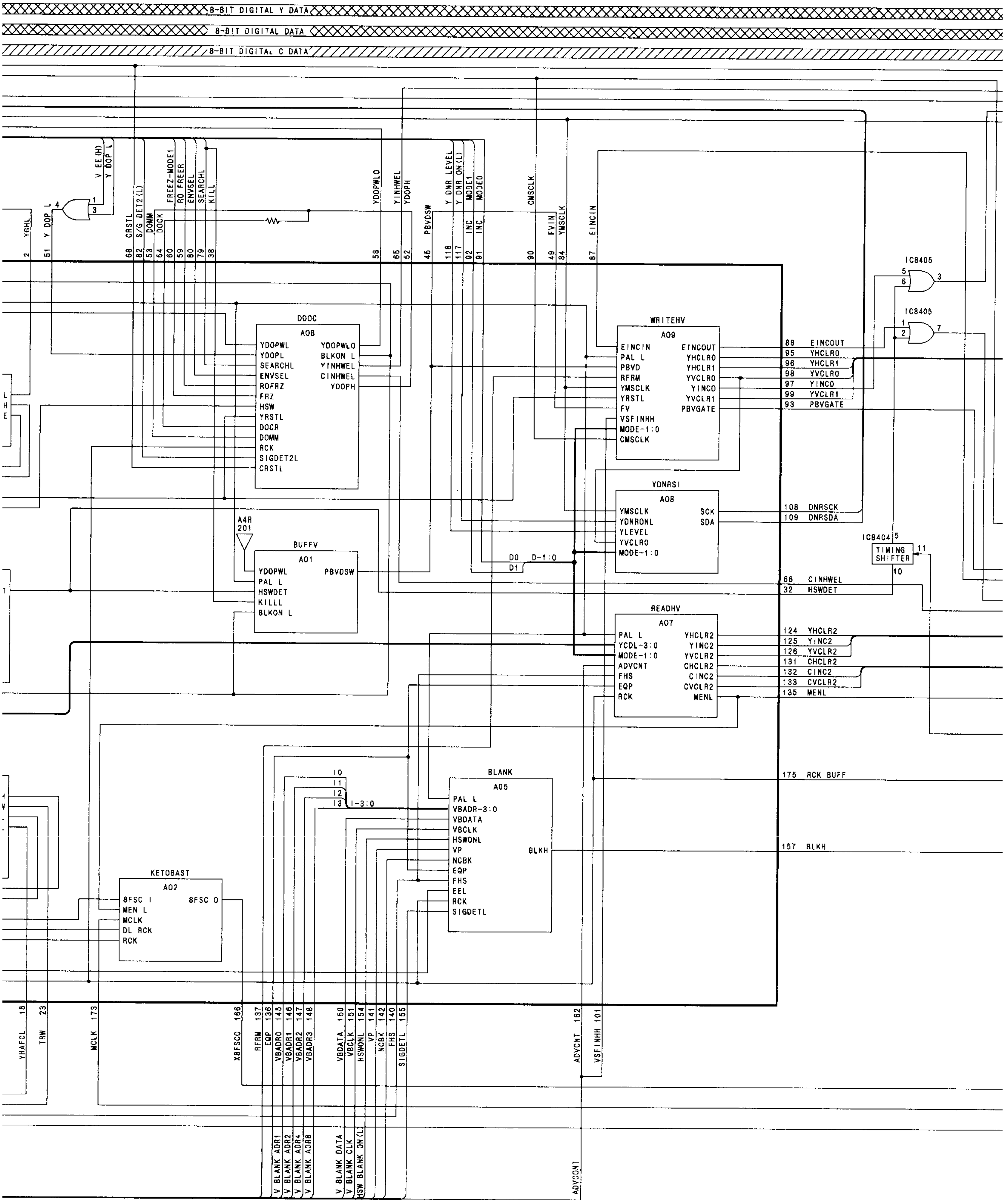

COMPONENT MAIN SIGNAL PATH
COMPOSITE MAIN SIGNAL PATH
R4 FSC
P8933 23A
P933 23A
P934 23B
P8551 23B
TBC (1)
SDET Ⓗ
P8933 15B
P933 15B
P935 41A
P61001 41A
R SYNC
P8933 28B
P933 28B
P935 40A
P61001 40A
INTERFACE
TBC FSC
P8933 31A
P933 31A
P932 25A
P3632 25A
VIDEO Y/C
RERM
P8933 21A
P933 21A
P934 21A
P8551 21A
EQP
P8933 22A
P933 22A
P934 22A
P8551 22A
NCBK
P8933 24A
P933 24A
P934 24A
P8551 24A
VP
P8933 21B
P933 21B
P934 21B
P8551 21B
VIP
P8933 22B
P933 22B
P934 22B
P8551 22B
FHS
P8933 24B
P933 24B
P934 24B
P8551 24B
TBC (1)
IC6616
TBC Y (X)
P8933 13B
P933 13B
P973 4
P4006 4
TBC Y
IC6606
AMP
AMP
VIDEO I/O
P3931 3A
P931 3A
P974 5
P6603 5
Y
IC6008
AMP
VIDEO I/O
P3632 29A
P932 29A
P974 7
P6603 7
C
IC6616
IC6607
AMP
AMP
TBC C (X)
P8933 11B
P933 11B
P972 13
P4009 13
TBC C
IC6605
AMP
AMP
SERVO/ SYSTEM CTL
P2203 5
P923 5
P973 5
P4006 5
CO WIDE Ⓛ
+5V
WIDE DC
IC6609
AMP
AMP
TBC RY (X)
P8933 9B
P933 9B
P974 9
P6603 9
TBC RY
TBC BY (X)
P8933 8B
P933 8B
P974 11
P6603 11
TBC BY
Q6609
BUFFER
INTERFACE
P61001 29A
P935 29A
P971 5
P6602 5
TBC ON (H)
COMP M Ⓗ
P8933 27A
P933 27A
P935 36A
P61001 36A
INTERFACE
INTERFACE
P61010 2
P6606 2
OSD CLK
P61010 4
P6606 4
OSD CS
P61010 3
P6606 3
OSD DATA
IC6611
VIDEO IN
VIDEO OUT
SCK
CS
DATA
OSC OUT
OSC IN
H-SYNC
OSC1
V-SYNC
OSC2
NO SIGNAL
Q6611
BUFFER
X6601
REF. OSC
C6551
OSC ADJ.
VIDEO Y/C
P3632 14B
P932 14B
P974 3
P6603 3
HD SYNC
INTERFACE
P61001 26B
P935 26B
P971 7
P6602 7
ENC SYNC
IC6614
IC6612
QR6607
V-SYNC GENE
IC6614
VIDEO I/O
P3931 38B
P931 38B
P971 13
P6602 13
VD
VIDEO I/O
P3931 15A
P931 15A
P974 4
P6603 4
SIGNAL DET Ⓛ
IC6614
QR6606
IC6615
4P Y OUT1
P6608 1
P6704 1
4P Y OUT2
P6608 2
P6704 2
4P C OUT1
P6608 4
P6704 4
4P C OUT2
P6608 5
P6704 5
CPN Y
P6605 8
P6703 8
LINE OUT1
P6605 5
P6703 5
LINE OUT2
P6605 6
P6703 6
CPN RY OUT
P6605 10
P6703 10
CPN BY OUT
P6605 12
P6703 12
V. MON OUT
P6605 3
P6703 3
J6714
Y
C
S-VIDEO OUT1
J6715
Y
C
S-VIDEO OUT2
J6711
VIDEO OUT1
J6712
VIDEO OUT2
J6716
CPN Y OUT
J6718
CPN RY OUT
J6717
CPN BY OUT
J6713
VIDEO MONITOR OUT
MOTHER
REAR AMP C. B. A.
REAR JACK C. B. A.

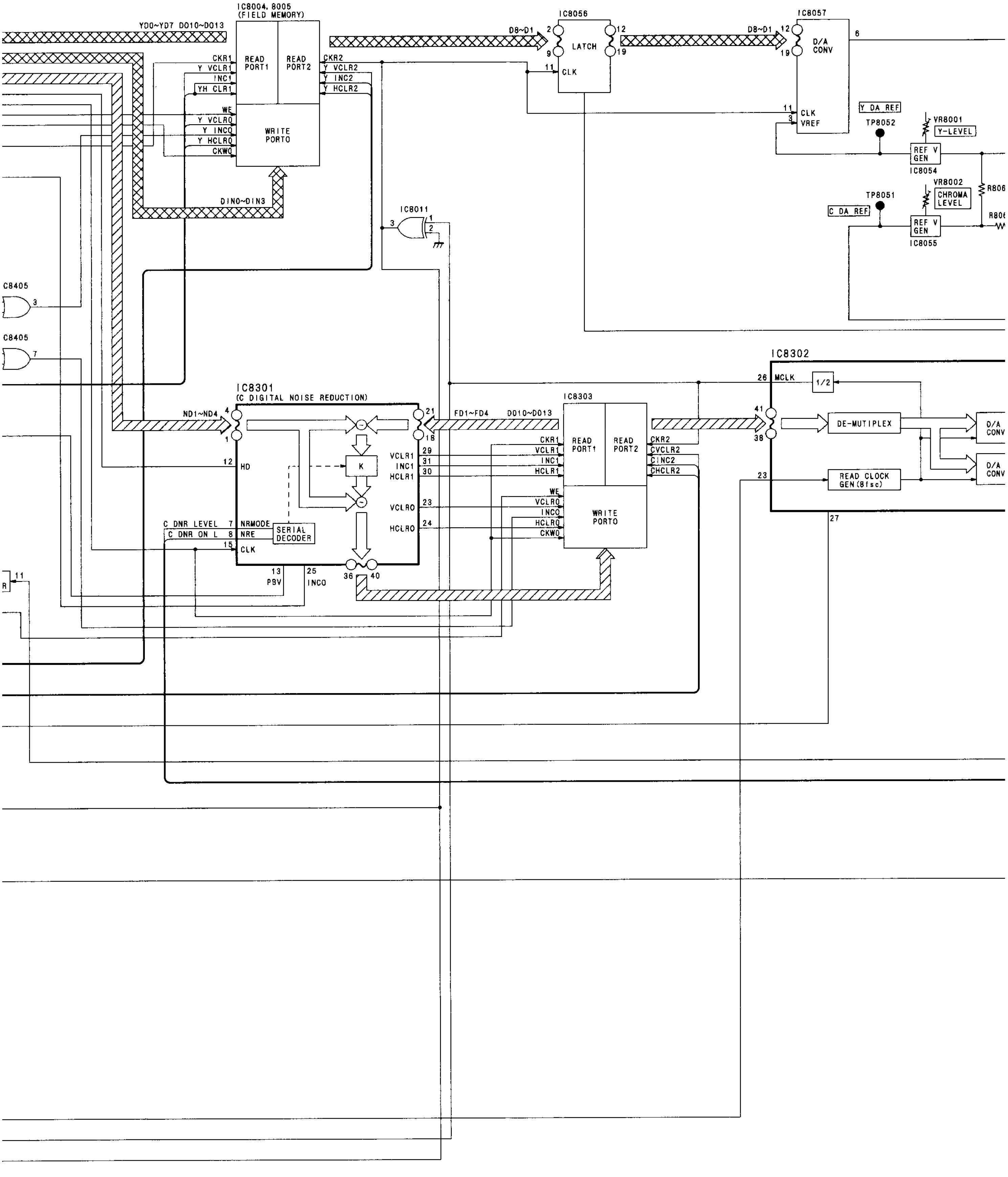
TBC (1) BLOCK DIAGRAM

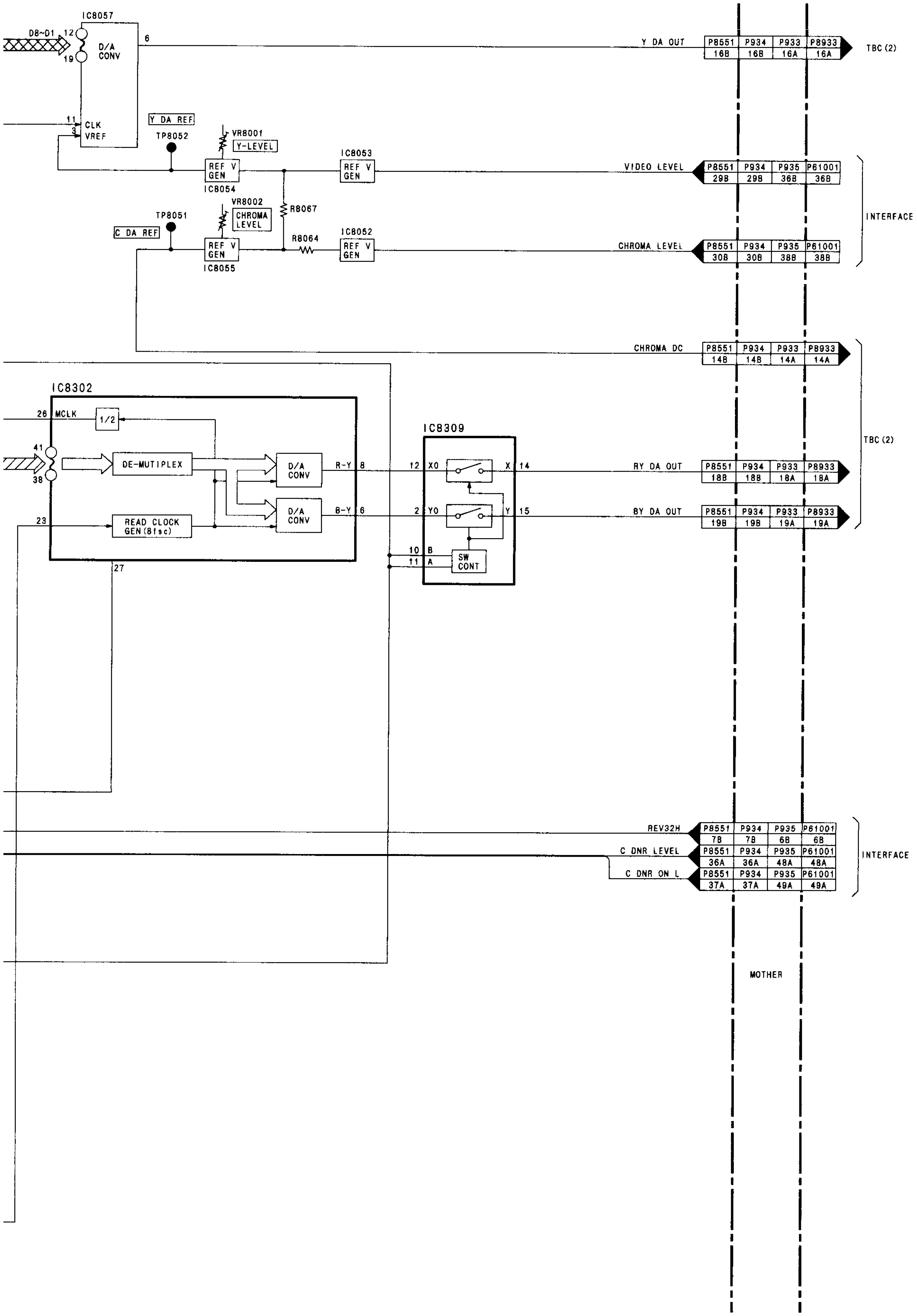


VIDEO I/O
P3931 3A
P931 3A
P934 42B
P8551 42B
DEM Y
Q8202 BUFFER
FL8201 L. P. F. (4. 5Hz)
VR8202
Y AD GAIN
IC8203 AMP (CLAMP)
TP8201
YAD
IC8001 A/D CONV.
CLK
D0~D7
IC8002 LATCH
CLK
Q8203 BUFFER
IC8201 DC OFFSET
IC8202 S/H
C8209
IC8011
Y AD REF
VR8201
A5V
REF DC GEN
IC8201
VIDEO I/O
P3931 20A
P931 20A
P914 39B
P8551 39B
SYNC NC
Q8201 BUFFER
IC8109 SYNC SEP
IC8102 IC8103 WAVE FORM SHAPE
IC8158
IC8105
IC8106, IC8107 R8113, C8116
V. SYNC SEP. GEN
VIDEO YC
P3632 29A
P932 29A
P934 40B
P8551 40B
DEC C
Q8208 Q8209 Q8210 AMP
IC8211 ENCODER
17 R-Y
19 B-Y
5V
VR8206
OUTPUT BIAS
VR8207
APC
Q8204 BUFFER
FL8202 L. P. F. (2. 2MHz)
VR8204
R-Y AD GAIN
IC8207 AMP (CLAMP)
R. YAD
Q8205 BUFFER
IC8206 DC OFFSET
IC8204 S/H
C8233
C AD REF
VR8203
A5V
REF DC GEN
IC8206
Q8206 BUFFER
FL8203 L. P. F. (2. 2MHz)
VR8205
B-Y AD GAIN
IC8207 AMP (CLAMP)
Q8207 BUFFER
IC8208 DC OFFSET
IC8209 S/H
C8243
IC8552
SIG DET2 (L)
SIG DET2 (L)
SEARCH L
VIDEO YC
P3632 30A
P932 30A
P934 25B
P8551 25B
INTERFACE
P61001 29B
P935 29B
P934 13A
P8551 13A
DMS OK (L)
TBC2
P8933 24B
P933 24B
P934 24B
P8551 24B
FHS
INTERFACE
P61001 39A
P935 39A
P934 31B
P8551 31B
ADV CONT
SYSTEM CTL
P2202 1
P922 1
P934 8A
P8551 8A
V EE (H)
VIDEO I/O
P3931 24B
P931 24B
P934 10B
P8551 10B
ENV SLT
IC8011
SYSTEM CTL
P2202 3
P922 3
P934 14A
P8551 14A
V HSW
TBC2
P8933 21A
P933 21A
P934 21A
P8551 21A
RFRM
P8933 21B
P933 21B
P934 21B
P8551 21B
VP
P8933 22A
P933 22A
P934 22A
P8551 22A
EQP
P8933 24A
P933 24A
P934 24A
P8551 24A
NCBK
VIDEO I/O
P3931 7B
P931 7B
P934 26A
P8551 26A
SIG DET (1)
SIGDETL
IC8551
INTERFACE
P61001 33B
P935 33B
P934 26B
P8551 26B
YC DELAY 2
P61001 32B
P935 32B
P934 27A
P8551 27A
YC DELAY 1
P61001 35B
P935 35B
P934 28B
P8551 28B
YC DELAY 8
P61001 34B
P935 34B
P934 29A
P8551 29A
YC DELAY 4
P61001 42A
P935 42A
P934 30A
P8551 30A
V BLANK ADR 1
P61001 43A
P935 43A
P934 31A
P8551 31A
V BLANK ADR 2
P61001 44A
P935 44A
P934 32A
P8551 32A
V BLANK ADR 4
P61001 45A
P935 45A
P934 33A
P8551 33A
V BLANK ADR 8
P61001 44B
P935 44B
P934 32B
P8551 32B
V BLANK CLK
P61001 45B
P935 45B
P934 33B
P8551 33B
V BLANK DATA
P61001 46A
P935 46A
P934 34A
P8551 34A
HSW BLANK ON (L)
P61001 46B
P935 46B
P934 34B
P8551 34B
Y DNR LEVEL
P61001 47B
P935 47B
P934 35B
P8551 35B
Y DNR ON (L)
P61001 47A
P935 47A
P934 35A
P8551 35A
CPOFFL
P61001 48B
P935 48B
P934 36B
P8551 36B
FREEZ MODE 1
P61001 49B
P935 49B
P934 37B
P8551 37B
RO FREEZ
P61001 50A
P935 50A
P934 38A
P8551 38A
INC. MODE0
P61001 50B
P935 50B
P934 38B
P8551 38B
INC. MODE1
VIDEO I/O
P3931 9A
P931 9A
P934 44B
P8551 44B
YDOP L
MOTHER
Q8151 Q8152 Q8153 TRAPIZOID
IC8151 S/H
IC8152, 8153 C8163, 8164 FILTER AMP
IC8157 27MHz
Y. CLK
IC8155
VR8151
VIDEO PHASE
PHASE CONTROL
IC8156
+5V
VR815
YC TIMI
TIMING CONTROL
IC8501 (READ CLOCK GEN)
TP8501
RCK
MSCLK
TP8502
X28M
CLK
IC8156
IC8306 AMP
L8301 C8329 B. P. F.
IC8158
IC8006
TIMING SHIFTER
IC8504
IC8506
X8502 28MHz

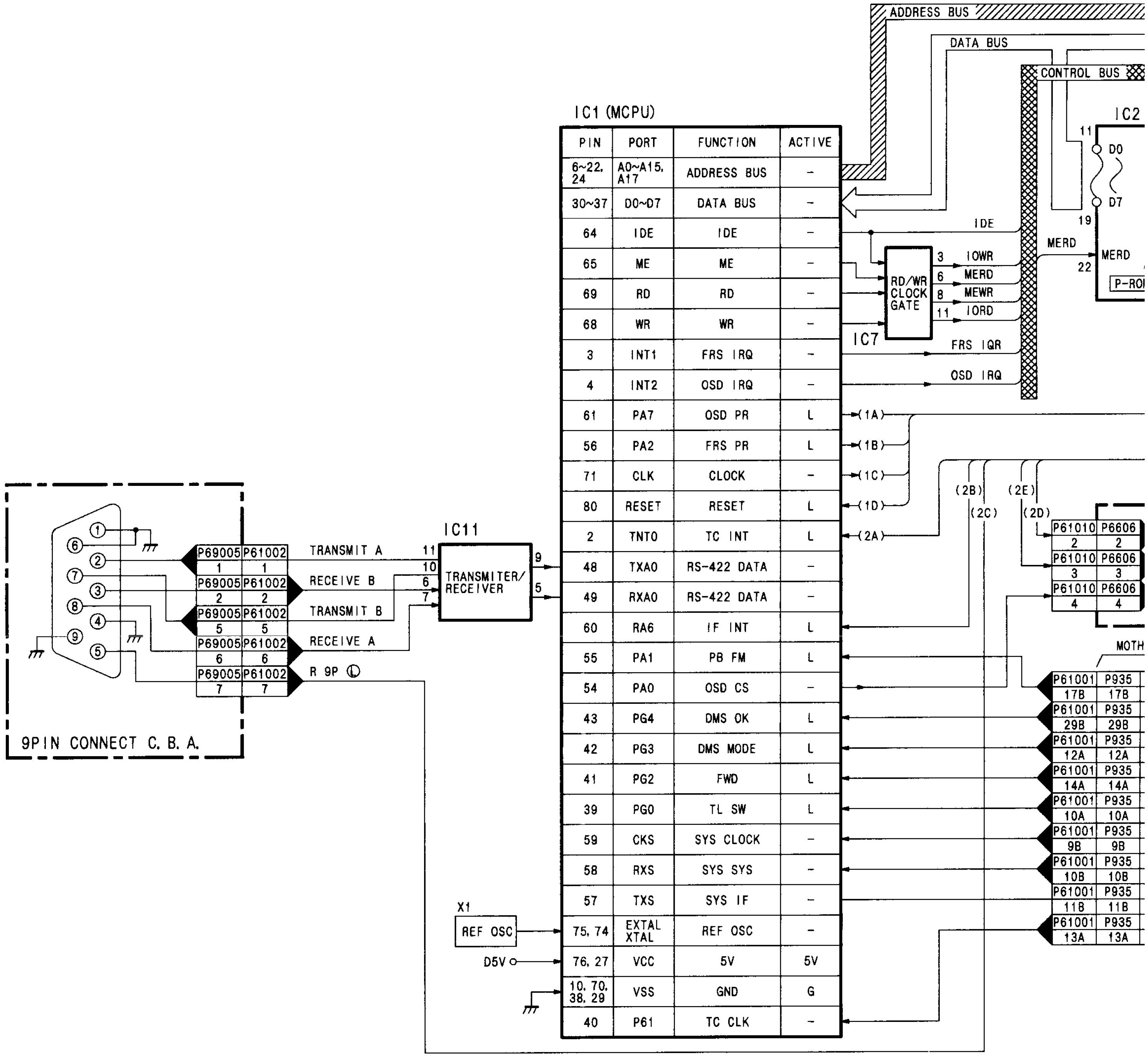

C8001
A/D CONV.
CLK
D0~D7
IC8002
LATCH
CLK
YAD0~YAD7
IC8003
(Y DIGITAL NOISE REDUCTION)
K
DNR SCK 74 SCK
DNR SDA 72 SDA
68, 70 CLK
SERIAL DECODER
IC8302
MULTIPLEX
A/D CONV
APC
RST
IC8306
TP8202
R. YAD
B. YAD
TP8203
IC8206
DC OFFSET
IC8204
S/H
C8233
VR8203
REF DC GEN
IC8206
C8208
DC OFFSET
IC8209
S/H
C8243
IC8157
27MHz
TP8154
Y. CLK
VR8151
VIDEO PHASE
PHASE CONTROL
IC8156
IC8160 (AFC/APC)
+5V
VR8152
YC TIMING
TIMING CONTROL
IC8156
IC8306
AMP
L8301 C8329
B. P. F.
TP8301
C CLK
IC8506
IC8506
X8502
28MHz
IC8401
YHL 13
4
89
YGHL 2
Y DOP L 51
V EE (H)
Y DOP L
PAL L 37
5V
VDD 33
XCLK 5
YDOPWLIN 57
YSYNCL 11
SYNC WIND
A0A
MCLK
YDOPWL
YSYNCL
WIDEL
YGHL
YGHH
GATE
GATE 7
YGHH 1
YRSTL 69
A5M 201
FRMVD
A04
DOVDL
PAL L
YDOPW L
CMPSYN L
HSW
VSEP L
4FSC
BLKON L
HSWDET
CMPSYNC 29
V HSW
HSW 30
VSEPL 34
YC DELAY 1
YC DELAY 2
YC DELAY 4
YC DELAY 8
YCDL0 119
YCDL1 120
YCDL2 122
YCDL3 123
H0
H1
H2
H3
AFC WIND
A03
YDOPWL
MMUTEL
EEL
YAFCCLK
VSETL
YHL
CPOFFL
CCPH
TRW
YSHPL
YHAFCL
V EE(H)
MMUTEL 21
EEL 14
AFCCLK 18
VSETL 22
COPFFL
CPUFFL 8
IC8403
CCPH 25
YSHPL 16
X8FSC I 164
DLRCK 169
RCK 168
YHAFCL 15
TRW 23
MCLK 173


8-BIT DIGITAL Y DATA
8-BIT DIGITAL DATA
8-BIT DIGITAL C DATA
V EE(H)
Y DOP L
2 YGHL
51 Y DOP L
68 CRSTL
82 S/G DET2(L)
53 DOMM
54 DOCK
60 FREEZ-MODE1
59 RO FREER
80 ENVSEL
79 SEARCHL
38 KILL
58 YDOPWLO
65 YINHWEL
52 YDOPH
45 PBVDSW
118 Y DNR LEVEL
117 Y DNR ON(L)
92 INC MODE1
91 INC MODE0
90 CMSCLK
49 FVIN
84 YMSCLK
87 EINCIN
DDOC
A08
YDOPWL
YDOPL
SEARCHL
ENVSEL
ROFRZ
FRZ
HSW
YRSTL
DOCR
DOMM
RCK
SIGDET2L
CRSTL
YDOPWLO
BLKON L
YINHWEL
CINHWEL
YDOPH
WRITEHV
A09
EINCIN
PAL L
PBVD
RFRM
YMSCLK
YRSTL
FV
VSFINHH
MODE-1:0
CMSCLK
EINCOUT
YHCLR0
YHCLR1
YVCLR0
YINC0
YVCLR1
PBVGATE
88 EINCOUT
95 YHCLR0
96 YHCLR1
98 YVCLR0
97 YINC0
99 YVCLR1
93 PBVGATE
IC8405
IC8404
TIMING SHIFTER
YDNRS1
A08
YMSCLK
YDNRONL
YLEVEL
YVCLR0
MODE-1:0
SCK
SDA
108 DNRSCK
109 DNRSDA
D0 D-1:0
D1
A4R 201
BUFFV
A01
YDOPWL
PAL L
HSWDET
KILLL
BLKON L
PBVDSW
66 CINHWEL
32 HSWDET
READHV
A07
PAL L
YCDL-3:0
MODE-1:0
ADVCNT
FHS
EQP
RCK
YHCLR2
YINC2
YVCLR2
CHCLR2
CINC2
CVCLR2
MENL
124 YHCLR2
125 YINC2
126 YVCLR2
131 CHCLR2
132 CINC2
133 CVCLR2
135 MENL
175 RCK BUFF
BLANK
A05
PAL L
VBADR-3:0
VBDATA
VBCLK
HSWONL
VP
NCBK
EQP
FHS
EEL
RCK
SIGDETL
BLKH
157 BLKH
10
11
12
13 I-3:0
KETOBAST
A02
8FSC I
MEN L
MCLK
DL RCK
RCK
8FSC O
YHAFCL 15
TRW 23
MCLK 173
X8FSCO 166
RFRM 137
EQP 136
VBADR0 145
VBADR1 146
VBADR2 147
VBADR3 148
VBDATA 150
VBCLK 151
HSWONL 154
VP 141
NCBK 142
FHS 140
SIGDETL 155
ADVCNT 162
VSFINHH 101
V BLANK ADR1
V BLANK ADR2
V BLANK ADR4
V BLANK ADR8
V BLANK DATA
V BLANK CLK
HSW BLANK ON(L)
ADVCONT


IC8004, 8005
(FIELD MEMORY)
YD0~YD7 DO10~DO13
CKR1
Y VCLR1
INC1
YH CLR1
READ PORT1
READ PORT2
CKR2
Y VCLR2
Y INC2
Y HCLR2
WE
Y VCLR0
Y INC0
Y HCLR0
CKW0
WRITE PORT0
DIN0~DIN3
IC8056
D8~D1
LATCH
CLK
IC8057
D/A CONV
CLK
VREF
Y DA REF
TP8052
VR8001
Y-LEVEL
REF V GEN
IC8054
VR8002
CHROMA LEVEL
R806
TP8051
C DA REF
REF V GEN
IC8055
IC8011
C8405
C8405
IC8302
MCLK
1/2
DE-MUTIPLEX
D/A CONV
D/A CONV
READ CLOCK GEN(8fsc)
IC8301
(C DIGITAL NOISE REDUCTION)
ND1~ND4
HD
K
VCLR1
INC1
HCLR1
VCLR0
HCLR0
C DNR LEVEL
C DNR ON L
NRMODE
NRE
CLK
SERIAL DECODER
PBV
INC0
FD1~FD4
DO10~DO13
IC8303
CKR1
VCLR1
INC1
HCLR1
READ PORT1
READ PORT2
CKR2
CVCLR2
CINC2
CHCLR2
WE
VCLR0
INC0
HCLR0
CKW0
WRITE PORT0
R
11


IC8057
D8~D1
12
19
D/A
CONV
6
11
3
CLK
VREF
Y DA OUT
P8551
16B
P934
16B
P933
16A
P8933
16A
TBC (2)
Y DA REF
TP8052
VR8001
Y-LEVEL
REF V
GEN
IC8054
IC8053
REF V
GEN
VIDEO LEVEL
P8551
29B
P934
29B
P935
36B
P61001
36B
INTERFACE
TP8051
VR8002
CHROMA
LEVEL
R8067
C DA REF
REF V
GEN
IC8055
R8064
IC8052
REF V
GEN
CHROMA LEVEL
P8551
30B
P934
30B
P935
38B
P61001
38B
CHROMA DC
P8551
14B
P934
14B
P933
14A
P8933
14A
IC8302
26
MCLK
1/2
41
38
DE-MUTIPLEX
D/A
CONV
R-Y
8
D/A
CONV
B-Y
6
23
READ CLOCK
GEN (8fsc)
27
IC8309
12
X0
X
14
2
Y0
Y
15
10
B
11
A
SW
CONT
TBC (2)
RY DA OUT
P8551
18B
P934
18B
P933
18A
P8933
18A
BY DA OUT
P8551
19B
P934
19B
P933
19A
P8933
19A
REV32H
P8551
7B
P934
7B
P935
6B
P61001
6B
C DNR LEVEL
P8551
36A
P934
36A
P935
48A
P61001
48A
C DNR ON L
P8551
37A
P934
37A
P935
49A
P61001
49A
INTERFACE
MOTHER

INTERFACE BLOCK DIAGRAM

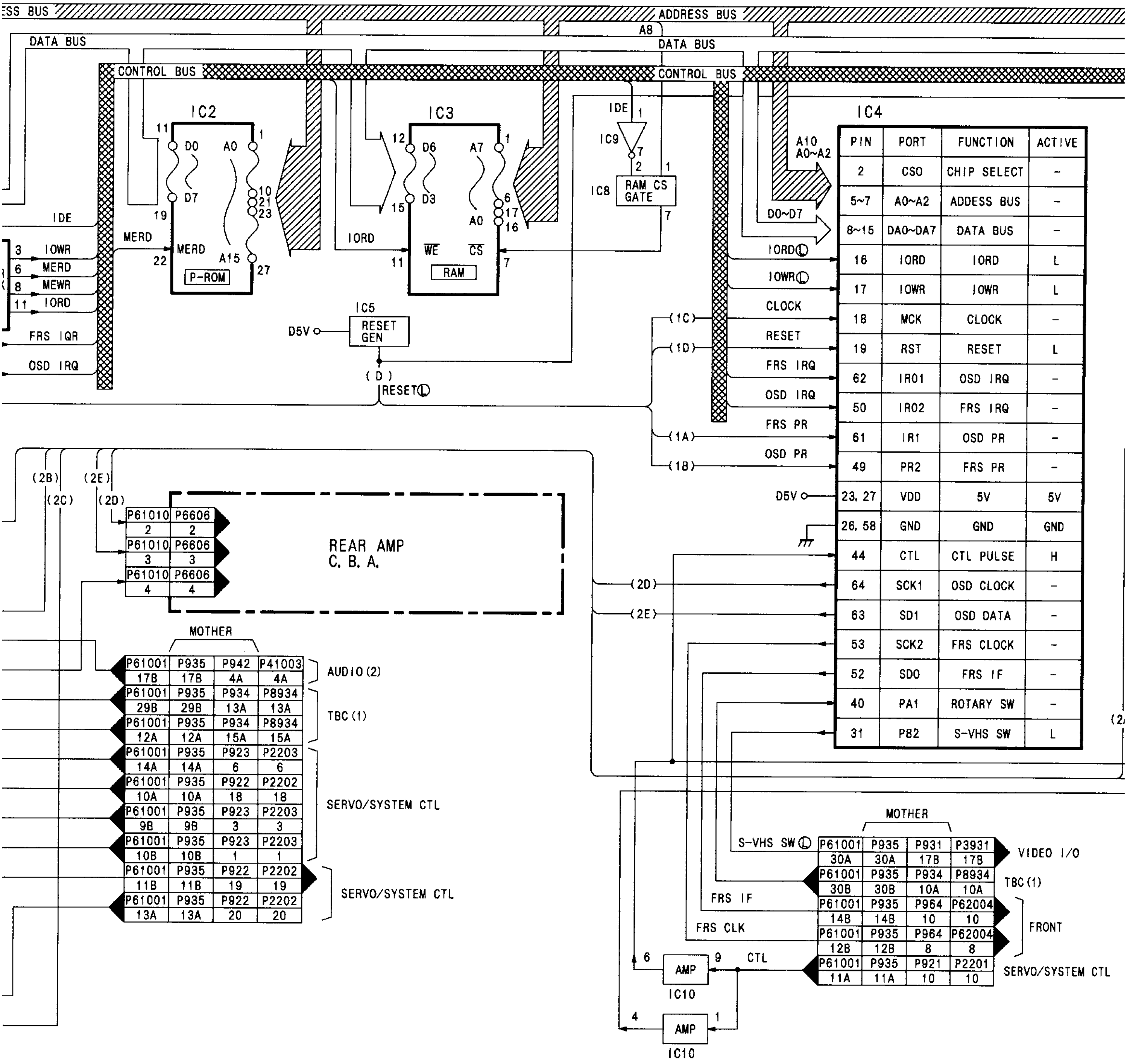


IC1 (MCPU)

PIN	PORT	FUNCTION	ACTIVE
6~22, 24	A0~A15, A17	ADDRESS BUS	–
30~37	D0~D7	DATA BUS	–
64	IDE	IDE	–
65	ME	ME	–
69	RD	RD	–
68	WR	WR	–
3	INT1	FRS IRQ	–
4	INT2	OSD IRQ	–
61	PA7	OSD PR	L
56	PA2	FRS PR	L
71	CLK	CLOCK	–
80	RESET	RESET	L
2	TNT0	TC INT	L
48	TXA0	RS-422 DATA	–
49	RXA0	RS-422 DATA	–
60	RA6	IF INT	L
55	PA1	PB FM	L
54	PA0	OSD CS	–
43	PG4	DMS OK	L
42	PG3	DMS MODE	L
41	PG2	FWD	L
39	PG0	TL SW	L
59	CKS	SYS CLOCK	–
58	RXS	SYS SYS	–
57	TXS	SYS IF	–
75, 74	EXTAL XTAL	REF OSC	–
76, 27	VCC	5V	5V
10, 70, 38, 29	VSS	GND	G
40	P61	TC CLK	–

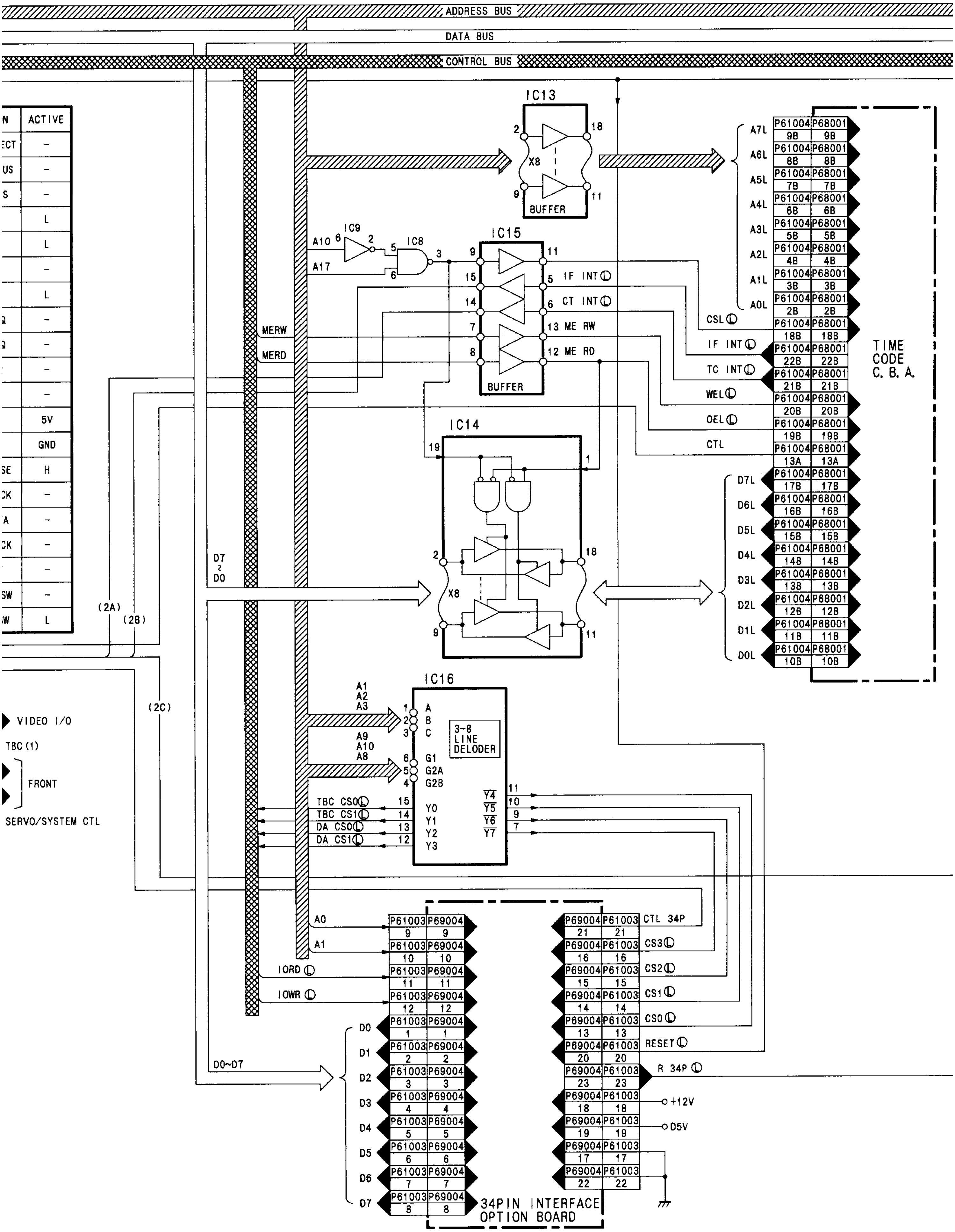
ADDRESS BUS
DATA BUS
CONTROL BUS
IC2
11
D0
D7
19
MERD
22
MERD
P-ROI
IDE
RD/WR CLOCK GATE
IC7
3
IOWR
6
MERD
8
MEWR
11
IORD
FRS IQR
OSD IRQ
(1A)
(1B)
(1C)
(1D)
(2A)
(2B)
(2C)
(2E)
(2D)
P61010 P6606
2 2
P61010 P6606
3 3
P61010 P6606
4 4
MOTH
P61001 P935
17B 17B
P61001 P935
29B 29B
P61001 P935
12A 12A
P61001 P935
14A 14A
P61001 P935
10A 10A
P61001 P935
9B 9B
P61001 P935
10B 10B
P61001 P935
11B 11B
P61001 P935
13A 13A
IC11
TRANSMITER/ RECEIVER
11
10
6
7
9
5
TRANSMIT A
RECEIVE B
TRANSMIT B
RECEIVE A
R 9P Ⓛ
P69005 P61002
1 1
P69005 P61002
2 2
P69005 P61002
5 5
P69005 P61002
6 6
P69005 P61002
7 7
①
⑥
②
⑦
③
⑧
④
⑨
⑤
9PIN CONNECT C. B. A.
X1
REF OSC
D5V

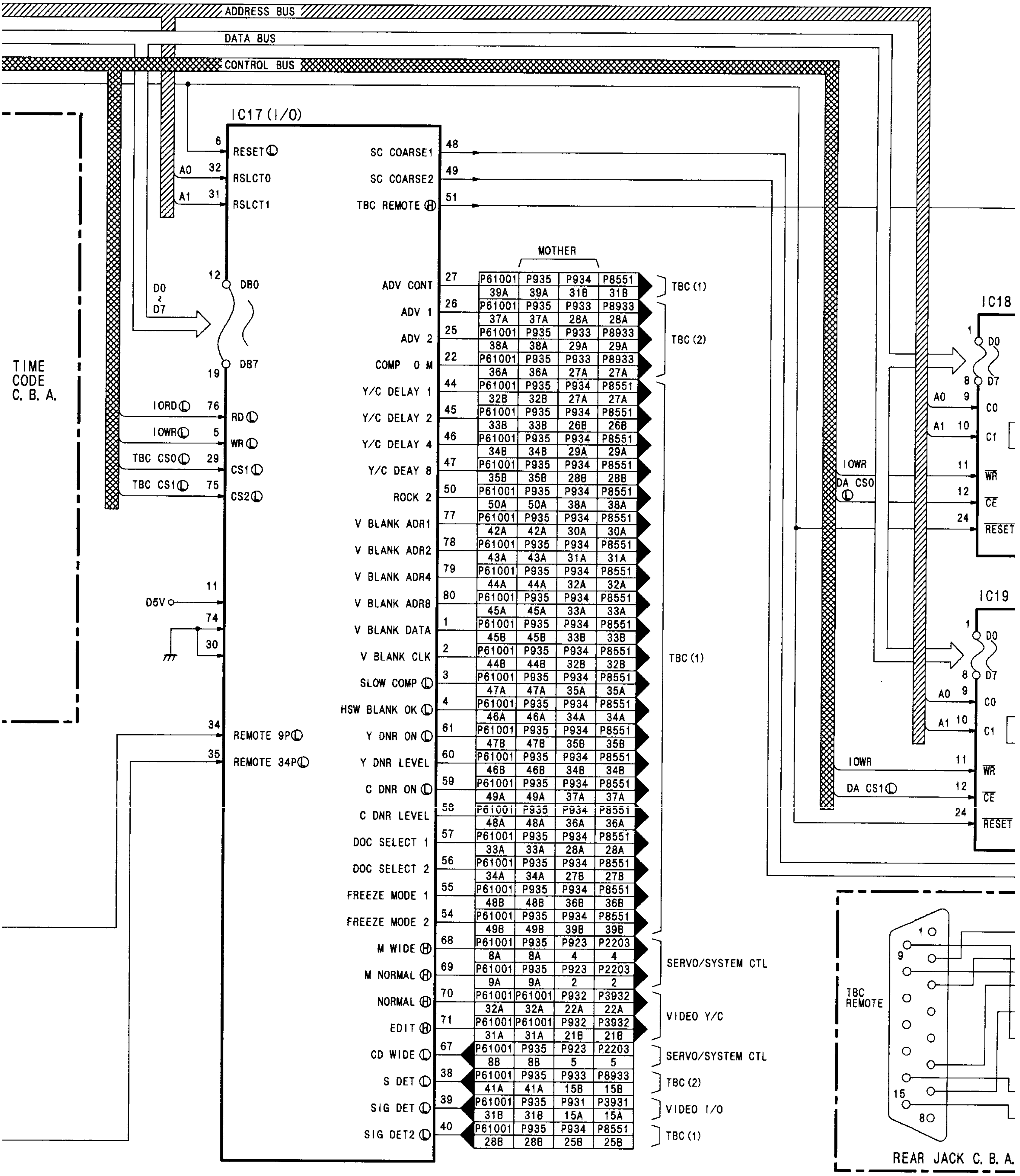
REF. NO. 61000 SERIES

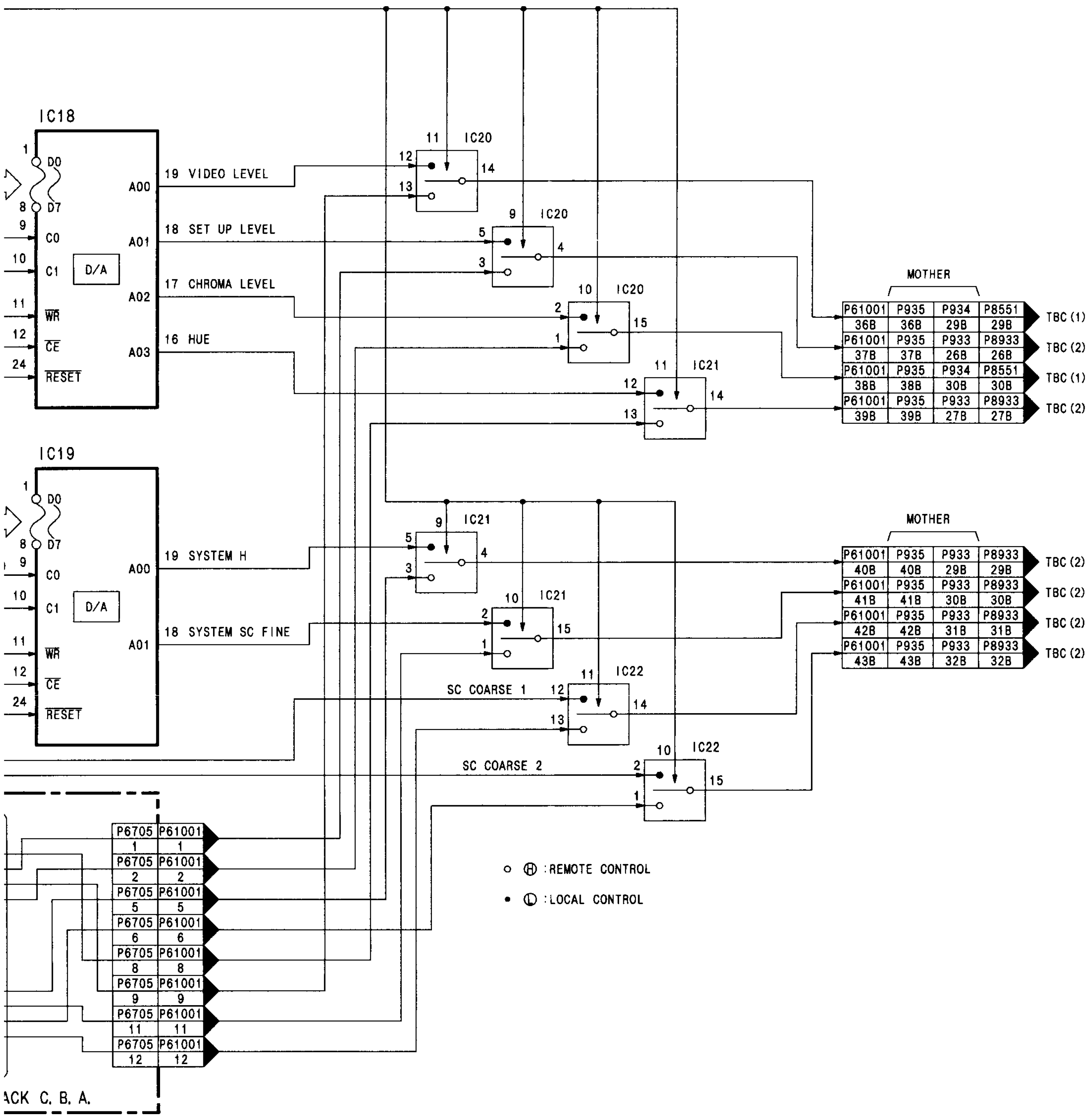

ESS BUS
ADDRESS BUS
A8
DATA BUS
DATA BUS
CONTROL BUS
CONTROL BUS
IC2
D0
A0
D7
A15
MERD
P-ROM
11
1
19
10
21
23
22
27
IC3
D6
A7
D3
A0
WE
CS
RAM
12
15
11
1
6
17
16
7
IDE
IC9
IC8
RAM CS GATE
IC5
RESET GEN
D5V
(D)
RESET Ⓛ
IDE
MERD
IORD
3 IOWR
6 MERD
8 MEWR
11 IORD
FRS IQR
OSD IRQ
IC4
A10
A0~A2
D0~D7
IORD Ⓛ
IOWR Ⓛ
CLOCK
RESET
FRS IRQ
OSD IRQ
FRS PR
OSD PR
(1C)
(1D)
(1A)
(1B)
(2D)
(2E)
(2B)
(2C)
(2E)
(2D)
P61010 P6606 2 2
P61010 P6606 3 3
P61010 P6606 4 4
REAR AMP C. B. A.
MOTHER
P61001 P935 P942 P41003 17B 17B 4A 4A
AUDIO (2)
P61001 P935 P934 P8934 29B 29B 13A 13A
P61001 P935 P934 P8934 12A 12A 15A 15A
TBC (1)
P61001 P935 P923 P2203 14A 14A 6 6
P61001 P935 P922 P2202 10A 10A 18 18
P61001 P935 P923 P2203 9B 9B 3 3
P61001 P935 P923 P2203 10B 10B 1 1
SERVO/SYSTEM CTL
P61001 P935 P922 P2202 11B 11B 19 19
P61001 P935 P922 P2202 13A 13A 20 20
SERVO/SYSTEM CTL
MOTHER
S-VHS SW Ⓛ
P61001 P935 P931 P3931 30A 30A 17B 17B
VIDEO I/O
P61001 P935 P934 P8934 30B 30B 10A 10A
TBC (1)
FRS IF
P61001 P935 P964 P62004 14B 14B 10 10
FRS CLK
P61001 P935 P964 P62004 12B 12B 8 8
FRONT
CTL
P61001 P935 P921 P2201 11A 11A 10 10
SERVO/SYSTEM CTL
AMP
IC10
6
9
AMP
IC10
4
1
(2

PIN	PORT	FUNCTION	ACTIVE
2	CS0	CHIP SELECT	–
5~7	A0~A2	ADDESS BUS	–
8~15	DA0~DA7	DATA BUS	–
16	IORD	IORD	L
17	IOWR	IOWR	L
18	MCK	CLOCK	–
19	RST	RESET	L
62	IR01	OSD IRQ	–
50	IR02	FRS IRQ	–
61	IR1	OSD PR	–
49	PR2	FRS PR	–
23, 27	VDD	5V	5V
26, 58	GND	GND	GND
44	CTL	CTL PULSE	H
64	SCK1	OSD CLOCK	–
63	SD1	OSD DATA	–
53	SCK2	FRS CLOCK	–
52	SDO	FRS IF	–
40	PA1	ROTARY SW	–
31	PB2	S-VHS SW	L

N	ACTIVE
ECT	-
US	-
S	-
	L
	L
	-
	L
Q	-
Q	-
	-
	-
	5V
	GND
SE	H
CK	-
A	-
CK	-
	-
SW	-
W	L

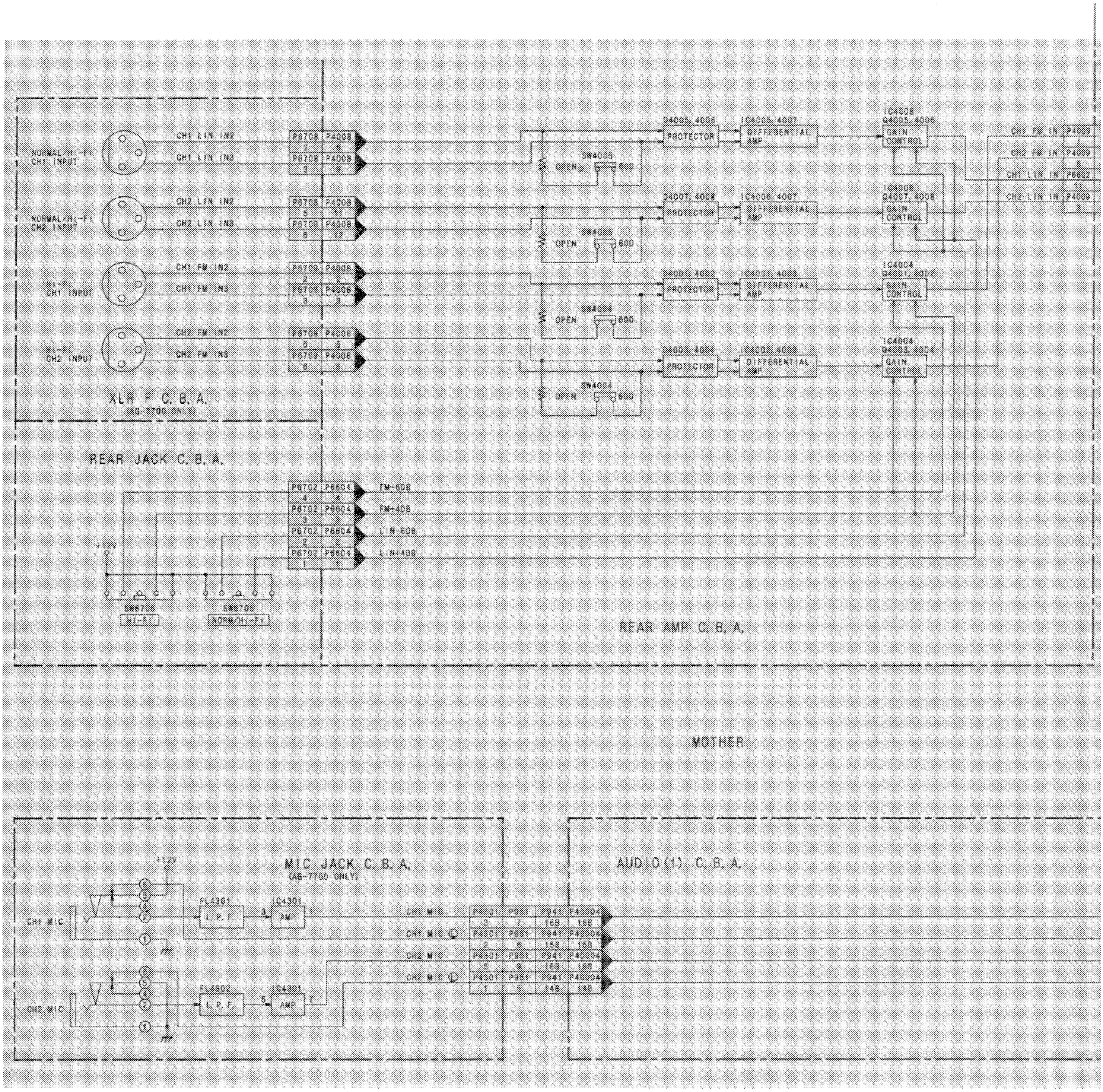

ADDRESS BUS
DATA BUS
CONTROL BUS
IC13
X8
BUFFER
2
18
9
11
A7L
A6L
A5L
A4L
A3L
A2L
A1L
A0L
P61004 P68001 9B 9B
P61004 P68001 8B 8B
P61004 P68001 7B 7B
P61004 P68001 6B 6B
P61004 P68001 5B 5B
P61004 P68001 4B 4B
P61004 P68001 3B 3B
P61004 P68001 2B 2B
CSL Ⓛ
P61004 P68001 18B 18B
IF INT Ⓛ
P61004 P68001 22B 22B
TC INT Ⓛ
P61004 P68001 21B 21B
WEL Ⓛ
P61004 P68001 20B 20B
OEL Ⓛ
P61004 P68001 19B 19B
CTL
P61004 P68001 13A 13A
D7L
P61004 P68001 17B 17B
D6L
P61004 P68001 16B 16B
D5L
P61004 P68001 15B 15B
D4L
P61004 P68001 14B 14B
D3L
P61004 P68001 13B 13B
D2L
P61004 P68001 12B 12B
D1L
P61004 P68001 11B 11B
D0L
P61004 P68001 10B 10B
TIME CODE C. B. A.
A10
A17
IC9
6
2
IC8
5
6
3
IC15
9
15
14
7
8
11
5 IF INT Ⓛ
6 CT INT Ⓛ
13 ME RW
12 ME RD
BUFFER
MERW
MERD
IC14
19
1
2
18
X8
9
11
D7 ~ D0
(2A)
(2B)
(2C)
IC16
A1 A2 A3
1 A
2 B
3 C
A9 A10 A8
6 G1
5 G2A
4 G2B
3-8 LINE DELODER
TBC CS0 Ⓛ 15 Y0
TBC CS1 Ⓛ 14 Y1
DA CS0 Ⓛ 13 Y2
DA CS1 Ⓛ 12 Y3
Y4 11
Y5 10
Y6 9
Y7 7
VIDEO I/O
TBC (1)
FRONT
SERVO/SYSTEM CTL
A0
A1
IORD Ⓛ
IOWR Ⓛ
P61003 P69004 9 9
P61003 P69004 10 10
P61003 P69004 11 11
P61003 P69004 12 12
D0
D1
D2
D3
D4
D5
D6
D7
D0~D7
P61003 P69004 1 1
P61003 P69004 2 2
P61003 P69004 3 3
P61003 P69004 4 4
P61003 P69004 5 5
P61003 P69004 6 6
P61003 P69004 7 7
P61003 P69004 8 8
P69004 P61003 21 21 CTL 34P
P69004 P61003 16 16 CS3 Ⓛ
P69004 P61003 15 15 CS2 Ⓛ
P69004 P61003 14 14 CS1 Ⓛ
P69004 P61003 13 13 CS0 Ⓛ
P69004 P61003 20 20 RESET Ⓛ
P69004 P61003 23 23 R 34P Ⓛ
P69004 P61003 18 18 +12V
P69004 P61003 19 19 D5V
P69004 P61003 17 17
P69004 P61003 22 22
34PIN INTERFACE OPTION BOARD

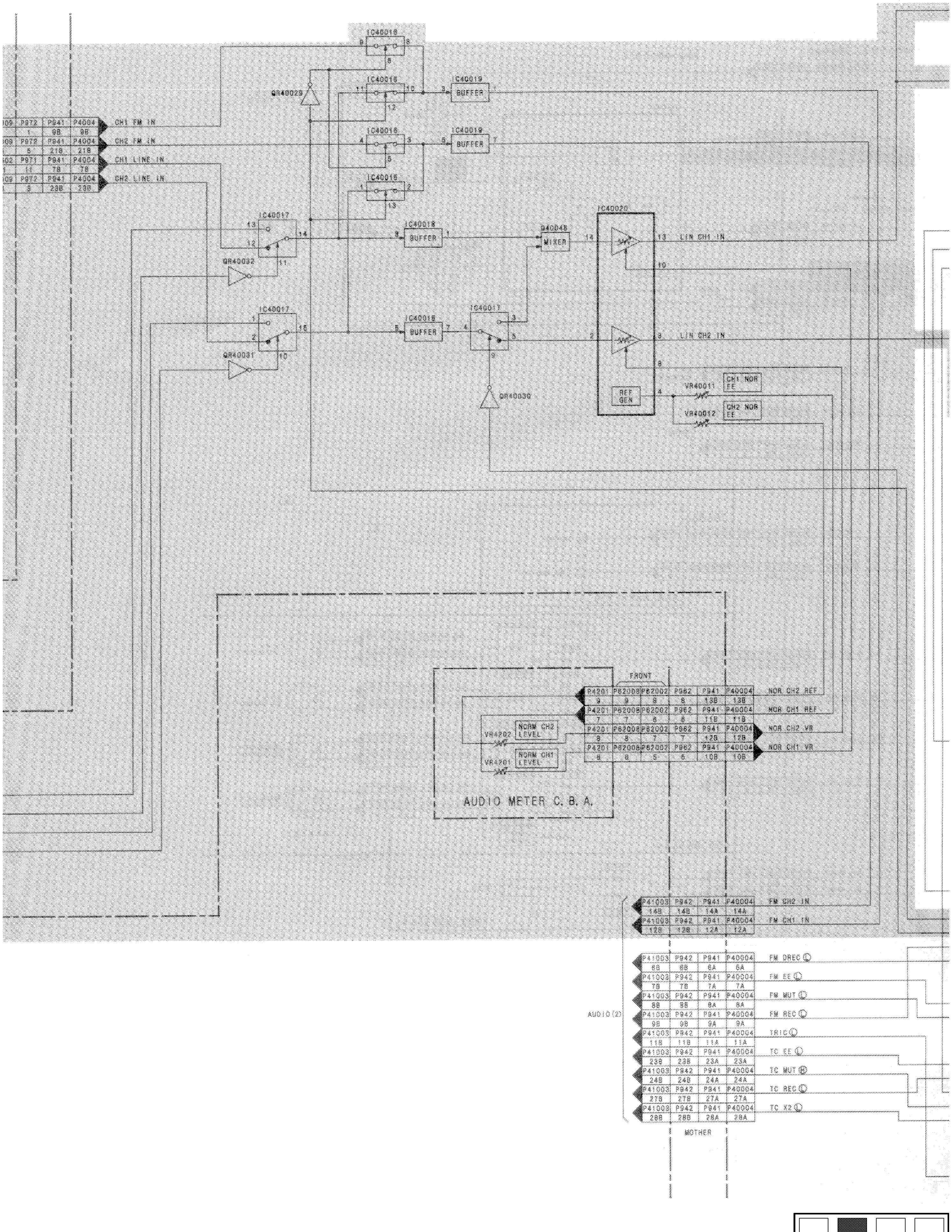

ADDRESS BUS
DATA BUS
CONTROL BUS
IC17 (I/O)
TIME CODE C. B. A.
6 RESET Ⓛ
A0 32 RSLCT0
A1 31 RSLCT1
D0 ~ D7
12 DB0
19 DB7
IORD Ⓛ 76 RD Ⓛ
IOWR Ⓛ 5 WR Ⓛ
TBC CS0 Ⓛ 29 CS1 Ⓛ
TBC CS1 Ⓛ 75 CS2 Ⓛ
D5V 11
74
30
34 REMOTE 9P Ⓛ
35 REMOTE 34P Ⓛ
SC COARSE1 48
SC COARSE2 49
TBC REMOTE Ⓗ 51
MOTHER
ADV CONT 27 P61001 P935 P934 P8551 / 39A 39A 31B 31B
ADV 1 26 P61001 P935 P933 P8933 / 37A 37A 28A 28A
ADV 2 25 P61001 P935 P933 P8933 / 38A 38A 29A 29A
COMP 0 M 22 P61001 P935 P933 P8933 / 36A 36A 27A 27A
Y/C DELAY 1 44 P61001 P935 P934 P8551 / 32B 32B 27A 27A
Y/C DELAY 2 45 P61001 P935 P934 P8551 / 33B 33B 26B 26B
Y/C DELAY 4 46 P61001 P935 P934 P8551 / 34B 34B 29A 29A
Y/C DEAY 8 47 P61001 P935 P934 P8551 / 35B 35B 28B 28B
ROCK 2 50 P61001 P935 P934 P8551 / 50A 50A 38A 38A
V BLANK ADR1 77 P61001 P935 P934 P8551 / 42A 42A 30A 30A
V BLANK ADR2 78 P61001 P935 P934 P8551 / 43A 43A 31A 31A
V BLANK ADR4 79 P61001 P935 P934 P8551 / 44A 44A 32A 32A
V BLANK ADR8 80 P61001 P935 P934 P8551 / 45A 45A 33A 33A
V BLANK DATA 1 P61001 P935 P934 P8551 / 45B 45B 33B 33B
V BLANK CLK 2 P61001 P935 P934 P8551 / 44B 44B 32B 32B
SLOW COMP Ⓛ 3 P61001 P935 P934 P8551 / 47A 47A 35A 35A
HSW BLANK OK Ⓛ 4 P61001 P935 P934 P8551 / 46A 46A 34A 34A
Y DNR ON Ⓛ 61 P61001 P935 P934 P8551 / 47B 47B 35B 35B
Y DNR LEVEL 60 P61001 P935 P934 P8551 / 46B 46B 34B 34B
C DNR ON Ⓛ 59 P61001 P935 P934 P8551 / 49A 49A 37A 37A
C DNR LEVEL 58 P61001 P935 P934 P8551 / 48A 48A 36A 36A
DOC SELECT 1 57 P61001 P935 P934 P8551 / 33A 33A 28A 28A
DOC SELECT 2 56 P61001 P935 P934 P8551 / 34A 34A 27B 27B
FREEZE MODE 1 55 P61001 P935 P934 P8551 / 48B 48B 36B 36B
FREEZE MODE 2 54 P61001 P935 P934 P8551 / 49B 49B 39B 39B
M WIDE Ⓗ 68 P61001 P935 P923 P2203 / 8A 8A 4 4
M NORMAL Ⓗ 69 P61001 P935 P923 P2203 / 9A 9A 2 2
NORMAL Ⓗ 70 P61001 P61001 P932 P3932 / 32A 32A 22A 22A
EDIT Ⓗ 71 P61001 P61001 P932 P3932 / 31A 31A 21B 21B
CD WIDE Ⓛ 67 P61001 P935 P923 P2203 / 8B 8B 5 5
S DET Ⓛ 38 P61001 P935 P933 P8933 / 41A 41A 15B 15B
SIG DET Ⓛ 39 P61001 P935 P931 P3931 / 31B 31B 15A 15A
SIG DET2 Ⓛ 40 P61001 P935 P934 P8551 / 28B 28B 25B 25B
TBC (1)
TBC (2)
TBC (1)
SERVO/SYSTEM CTL
VIDEO Y/C
SERVO/SYSTEM CTL
TBC (2)
VIDEO I/O
TBC (1)
IC18
1 D0
8 D7
A0 9 C0
A1 10 C1
IOWR 11 WR
DA CS0 Ⓛ 12 CE
24 RESET
IC19
1 D0
8 D7
A0 9 C0
A1 10 C1
IOWR 11 WR
DA CS1 Ⓛ 12 CE
24 RESET
TBC REMOTE
1
9
15
8
REAR JACK C. B. A.

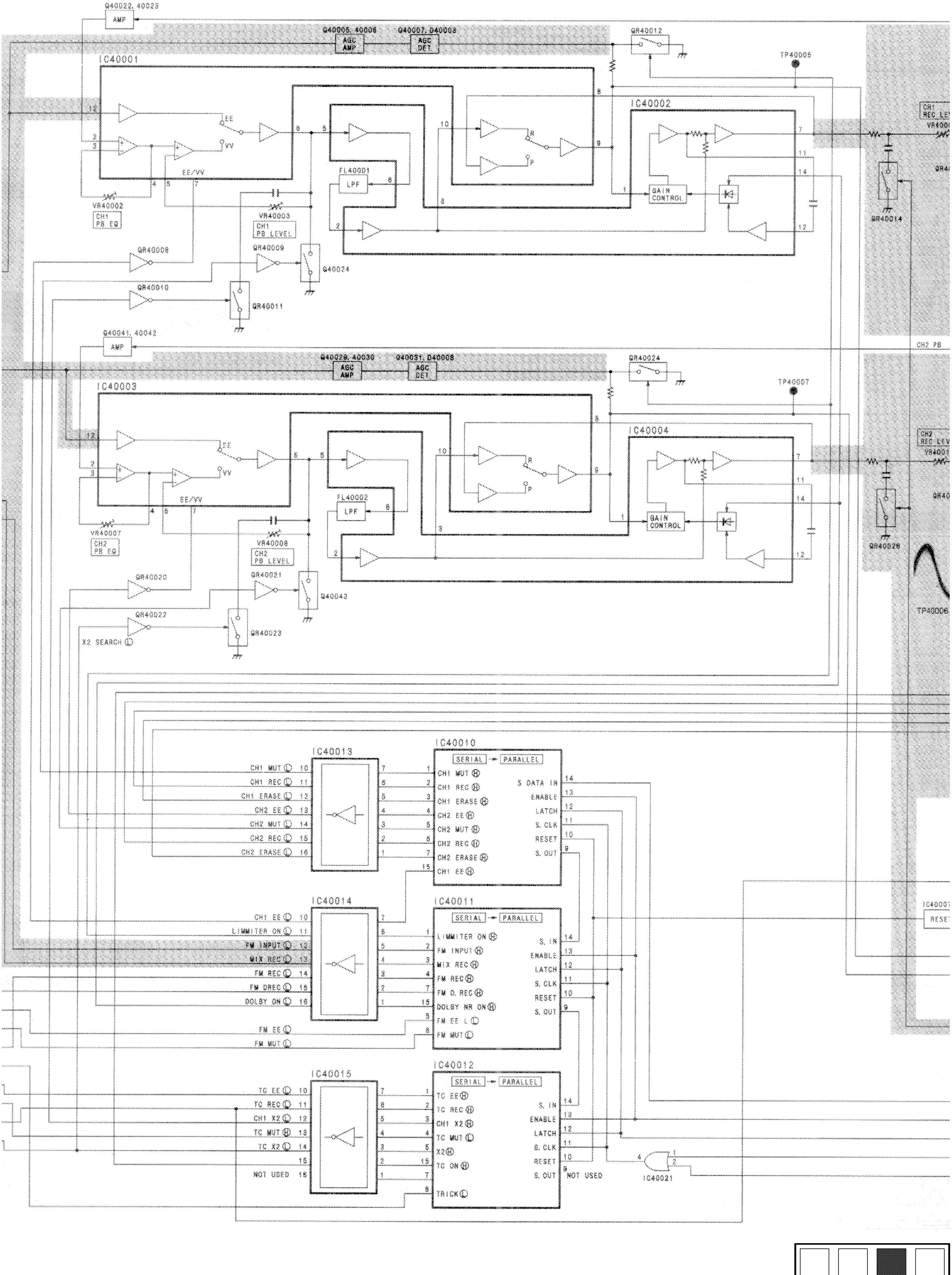


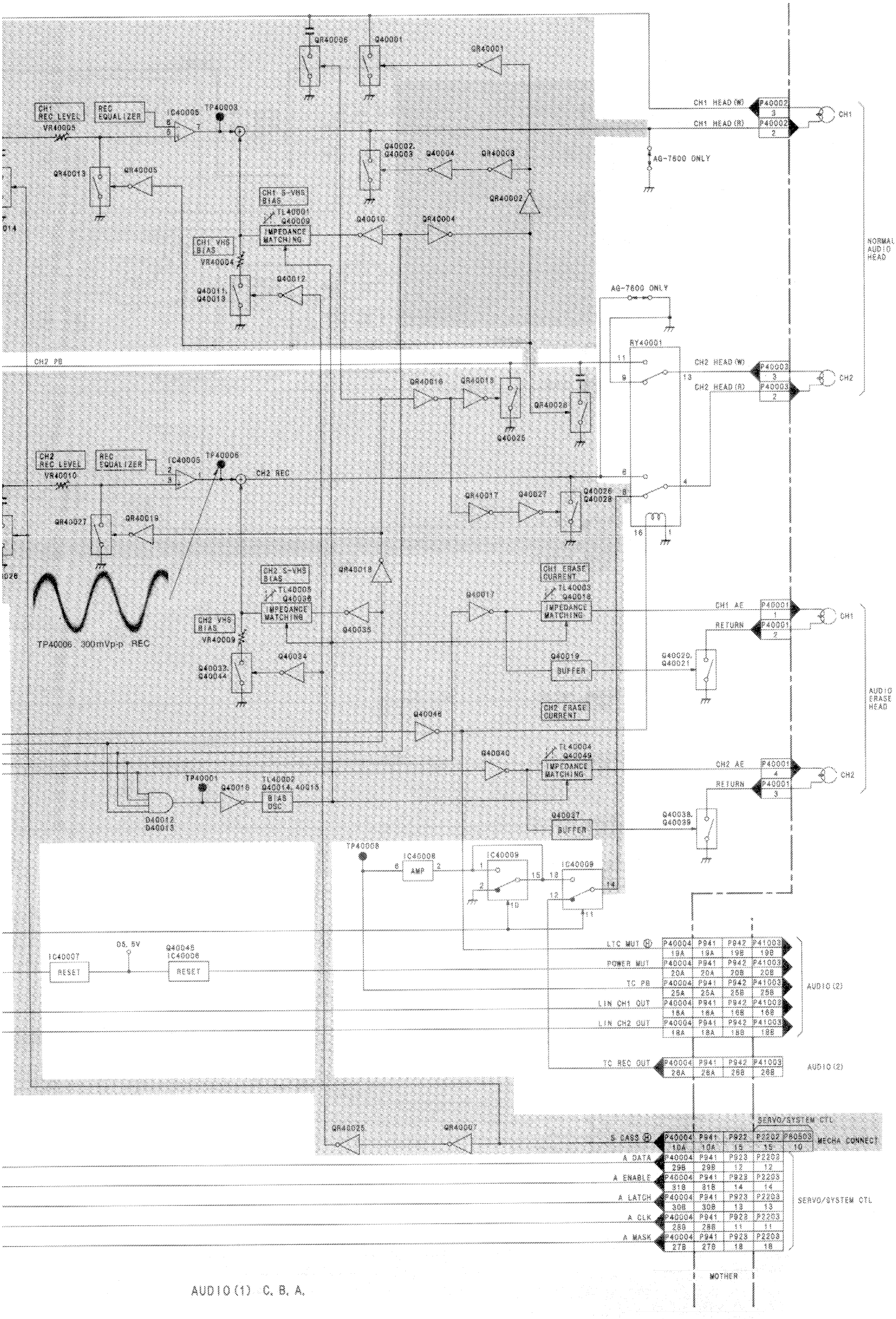
IC18
D0
D7
C0
C1
D/A
WR
CE
RESET
A00
A01
A02
A03
19 VIDEO LEVEL
18 SET UP LEVEL
17 CHROMA LEVEL
16 HUE
IC19
SYSTEM H
SYSTEM SC FINE
SC COARSE 1
SC COARSE 2
IC20
IC21
IC22
MOTHER
P61001 P935 P934 P8551 36B 36B 29B 29B TBC (1)
P61001 P935 P933 P8933 37B 37B 26B 26B TBC (2)
P61001 P935 P934 P8551 38B 38B 30B 30B TBC (1)
P61001 P935 P933 P8933 39B 39B 27B 27B TBC (2)
P61001 P935 P933 P8933 40B 40B 29B 29B TBC (2)
P61001 P935 P933 P8933 41B 41B 30B 30B TBC (2)
P61001 P935 P933 P8933 42B 42B 31B 31B TBC (2)
P61001 P935 P933 P8933 43B 43B 32B 32B TBC (2)
P6705 P61001 1 1
P6705 P61001 2 2
P6705 P61001 5 5
P6705 P61001 6 6
P6705 P61001 8 8
P6705 P61001 9 9
P6705 P61001 11 11
P6705 P61001 12 12
ACK C. B. A.
○ Ⓗ :REMOTE CONTROL
● Ⓛ :LOCAL CONTROL

NORMAL AUDIO BLOCK DIAGRAM


NORMAL/Hi-Fi CH1 INPUT
CH1 LIN IN2
CH1 LIN IN3
NORMAL/Hi-Fi CH2 INPUT
CH2 LIN IN2
CH2 LIN IN3
Hi-Fi CH1 INPUT
CH1 FM IN2
CH1 FM IN3
Hi-Fi CH2 INPUT
CH2 FM IN2
CH2 FM IN3
P6708 P4008 2 8
P6708 P4008 3 9
P6708 P4008 5 11
P6708 P4008 6 12
P6709 P4008 2 2
P6709 P4008 3 3
P6709 P4008 5 5
P6709 P4008 6 6
XLR F C. B. A.
(AG-7700 ONLY)
OPEN
SW4005
600
SW4006
SW4004
SW4004
D4005, 4006
PROTECTOR
IC4005, 4007
DIFFERENTIAL AMP
IC4008
Q4005, 4006
GAIN CONTROL
D4007, 4008
IC4006, 4007
IC4008
Q4007, 4008
D4001, 4002
IC4001, 4003
IC4004
Q4001, 4002
D4003, 4004
IC4002, 4003
IC4004
Q4003, 4004
CH1 FM IN
P4009 1
CH2 FM IN
P4009 8
CH1 LIN IN
P6602 11
CH2 LIN IN
P4009 3
REAR JACK C. B. A.
P6702 P6604 4 4
FM-6DB
P6702 P6604 3 3
FM+4DB
P6702 P6604 2 2
LIN-6DB
P6702 P6604 1 1
LIN+4DB
+12V
SW6706
Hi-Fi
SW6705
NORM/Hi-Fi
REAR AMP C. B. A.
MOTHER
MIC JACK C. B. A.
(AG-7700 ONLY)
+12V
⑥
⑤
④
②
①
CH1 MIC
FL4301
L. P. F.
IC4301
AMP
3
1
CH2 MIC
FL4302
L. P. F.
IC4301
AMP
5
7
CH1 MIC
CH1 MIC ⓛ
CH2 MIC
CH2 MIC ⓛ
P4301 P951 P941 P40004
3 7 16B 16B
P4301 P951 P941 P40004
2 6 15B 15B
P4301 P951 P941 P40004
5 9 18B 18B
P4301 P951 P941 P40004
1 5 14B 14B
AUDIO(1) C. B. A.

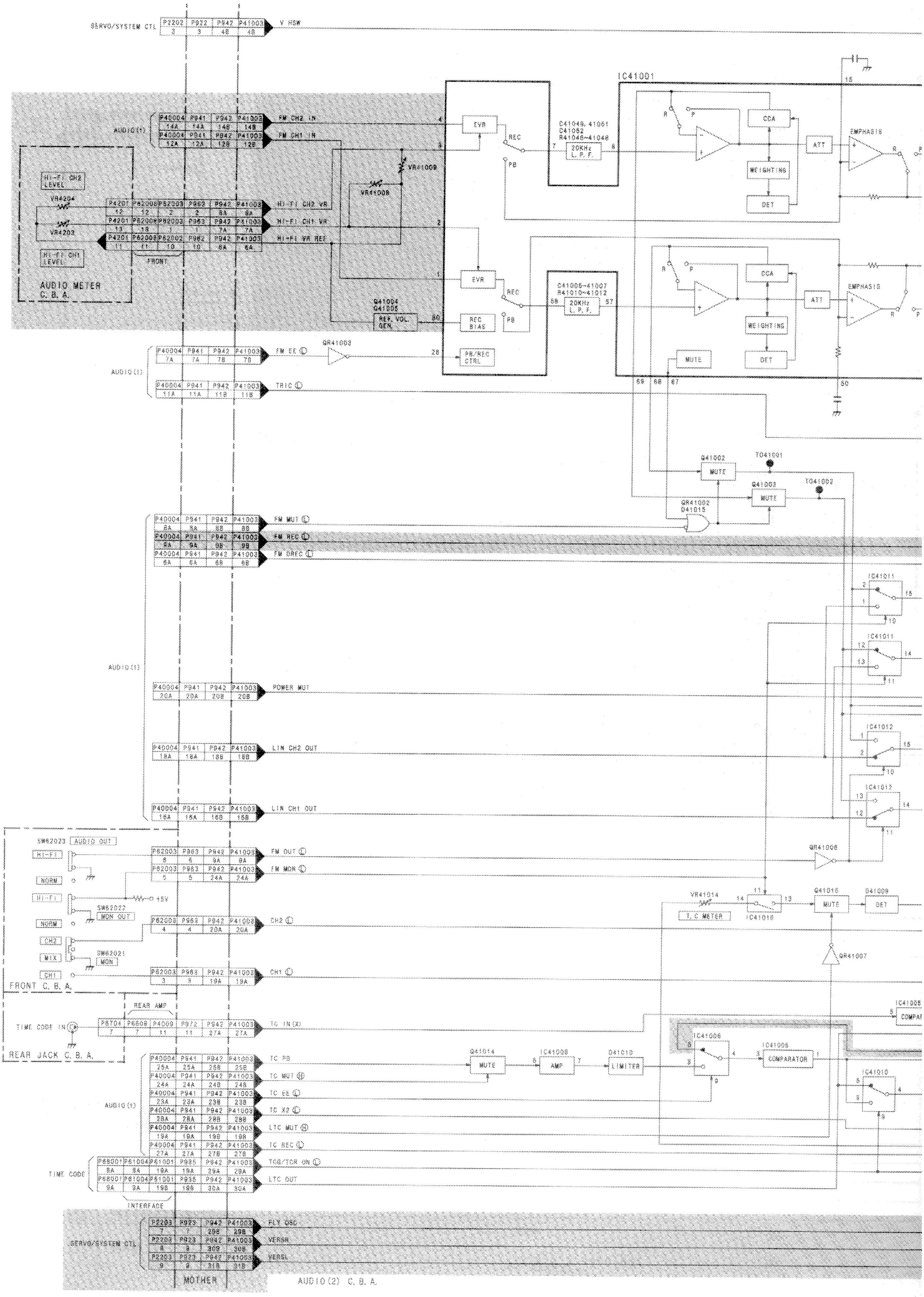

IC40016
IC40016
IC40019
BUFFER
QR40023
IC40016
IC40019
BUFFER
IC40016
CH1 FM IN
CH2 FM IN
CH1 LINE IN
CH2 LINE IN
P972
P941
P4004
1
9B
9B
5
21B
21B
P971
7B
7B
23B
23B
IC40017
IC40018
BUFFER
Q40048
MIXER
IC40020
LIN CH1 IN
LIN CH2 IN
QR40032
IC40017
IC40018
BUFFER
IC40017
QR40031
QR40030
REF GEN
VR40011
CH1 NOR EE
VR40012
CH2 NOR EE
FRONT
P4201
P62008
P62002
P962
NOR CH2 REF
NOR CH1 REF
NOR CH2 VR
NOR CH1 VR
VR4202
NORM CH2 LEVEL
VR4201
NORM CH1 LEVEL
AUDIO METER C. B. A.
P41003
P942
P40004
FM CH2 IN
FM CH1 IN
FM DREC Ⓛ
FM EE Ⓛ
FM MUT Ⓛ
FM REC Ⓛ
TRIC Ⓛ
TC EE Ⓛ
TC MUT Ⓗ
TC REC Ⓛ
TC X2 Ⓛ
AUDIO (2)
MOTHER


Q40022, 40023
AMP
Q40005, 40006
AGC AMP
Q40007, D40003
AGC DET
QR40012
TP40005
IC40001
EE
VV
EE/VV
VR40002
CH1 PB EQ
VR40003
CH1 PB LEVEL
FL40001
LPF
IC40002
R
P
GAIN CONTROL
CH1 REC LEV
VR400
QR40014
QR40008
QR40009
Q40024
QR40010
QR40011
Q40041, 40042
AMP
Q40029, 40030
AGC AMP
Q40031, D40008
AGC DET
QR40024
TP40007
IC40003
IC40004
CH2 PB
CH2 REC LEV
VR4001
VR40007
CH2 PB EQ
VR40008
CH2 PB LEVEL
FL40002
LPF
QR40026
QR40020
QR40021
Q40043
QR40022
QR40023
X2 SEARCH Ⓛ
TP40006
IC40013
IC40010
SERIAL → PARALLEL
CH1 MUT Ⓛ
CH1 REC Ⓛ
CH1 ERASE Ⓛ
CH2 EE Ⓛ
CH2 MUT Ⓛ
CH2 REC Ⓛ
CH2 ERASE Ⓛ
CH1 MUT Ⓗ
CH1 REC Ⓗ
CH1 ERASE Ⓗ
CH2 EE Ⓗ
CH2 MUT Ⓗ
CH2 REC Ⓗ
CH2 ERASE Ⓗ
CH1 EE Ⓗ
S DATA IN
ENABLE
LATCH
S. CLK
RESET
S. OUT
IC40014
IC40011
CH1 EE Ⓛ
LIMMITER ON Ⓛ
FM INPUT Ⓛ
MIX REC Ⓛ
FM REC Ⓛ
FM DREC Ⓛ
DOLBY ON Ⓛ
FM EE Ⓛ
FM MUT Ⓛ
LIMMITER ON Ⓗ
FM INPUT Ⓗ
MIX REC Ⓗ
FM REC Ⓗ
FM D. REC Ⓗ
DOLBY NR ON Ⓗ
FM EE L Ⓛ
FM MUT Ⓛ
S. IN
IC40007
RESET
IC40015
IC40012
TC EE Ⓛ
TC REC Ⓛ
CH1 X2 Ⓛ
TC MUT Ⓗ
TC X2 Ⓛ
NOT USED
TC EE Ⓗ
TC REC Ⓗ
CH1 X2 Ⓗ
TC MUT Ⓛ
X2 Ⓗ
TC ON Ⓗ
TRICK Ⓛ
IC40021

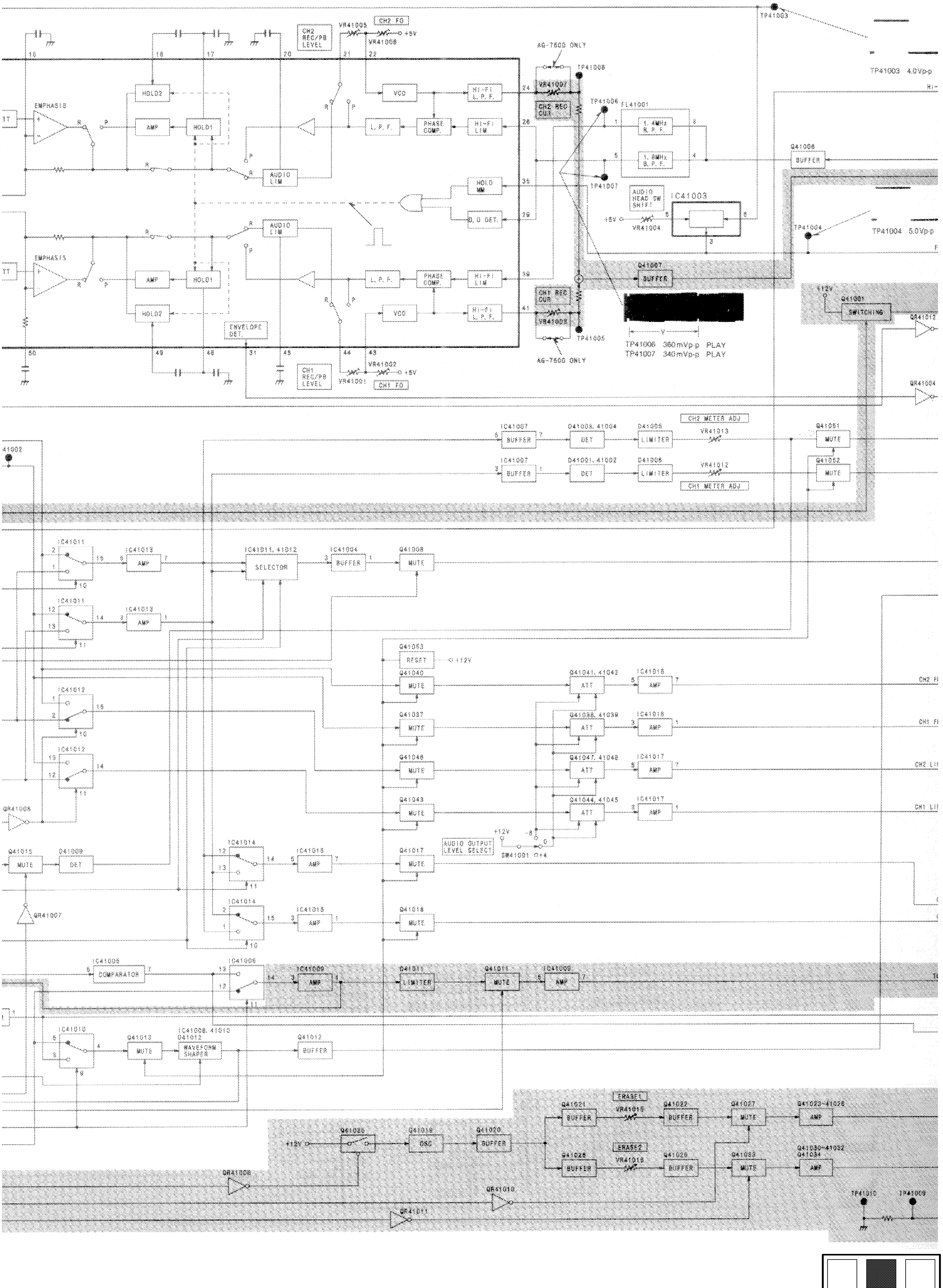

QR40006
Q40001
QR40001
CH1 REC LEVEL
REC EQUALIZER
IC40005
TP40003
VR40005
CH1 HEAD (W)
CH1 HEAD (R)
P40002
3
2
CH1
AG-7600 ONLY
Q40002, Q40003
Q40004
QR40003
QR40013
QR40005
CH1 S-VHS BIAS
TL40001
Q40009
IMPEDANCE MATCHING
Q40010
QR40004
QR40002
CH1 VHS BIAS
VR40004
Q40011, Q40013
Q40012
NORMAL AUDIO HEAD
AG-7600 ONLY
RY40001
CH2 PB
CH2 HEAD (W)
CH2 HEAD (R)
P40003
3
2
CH2
QR40016
QR40015
QR40026
Q40025
CH2 REC LEVEL
REC EQUALIZER
IC40005
TP40006
VR40010
CH2 REC
QR40017
Q40027
Q40026 Q40028
QR40027
QR40019
QR40018
CH2 S-VHS BIAS
TL40005
Q40036
IMPEDANCE MATCHING
Q40035
CH2 VHS BIAS
VR40009
Q40032, Q40044
Q40034
TP40006, 300mVp-p REC
CH1 ERASE CURRENT
TL40003
Q40018
Q40017
IMPEDANCE MATCHING
CH1 AE
RETURN
P40001
1
2
CH1
Q40019
BUFFER
Q40020, Q40021
AUDIO ERASE HEAD
CH2 ERASE CURRENT
Q40046
TL40004
Q40049
Q40040
IMPEDANCE MATCHING
CH2 AE
RETURN
P40001
4
3
CH2
TP40001
Q40016
TL40002
Q40014, 40015
BIAS OSC
D40012
D40013
Q40037
BUFFER
Q40038, Q40039
TP40008
IC40008
AMP
IC40009
IC40009
IC40007
RESET
D5. 5V
Q40045
IC40006
RESET
LTC MUT Ⓗ
POWER MUT
TC PB
LIN CH1 OUT
LIN CH2 OUT
P40004 | P941 | P942 | P41003
19A | 19A | 19B | 19B
20A | 20A | 20B | 20B
25A | 25A | 25B | 25B
16A | 16A | 16B | 16B
18A | 18A | 18B | 18B
AUDIO (2)
TC REC OUT
P40004 | P941 | P942 | P41003
26A | 26A | 26B | 26B
AUDIO (2)
QR40025
QR40007
SERVO/SYSTEM CTL
S CASS Ⓗ
P40004 | P941 | P922 | P2202 | P60503
10A | 10A | 15 | 15 | 10
MECHA CONNECT
A DATA
A ENABLE
A LATCH
A CLK
A MASK
P40004 | P941 | P923 | P2203
29B | 29B | 12 | 12
31B | 31B | 14 | 14
30B | 30B | 13 | 13
28B | 28B | 11 | 11
27B | 27B | 18 | 18
SERVO/SYSTEM CTL
MOTHER

AUDIO(1) C.B.A.

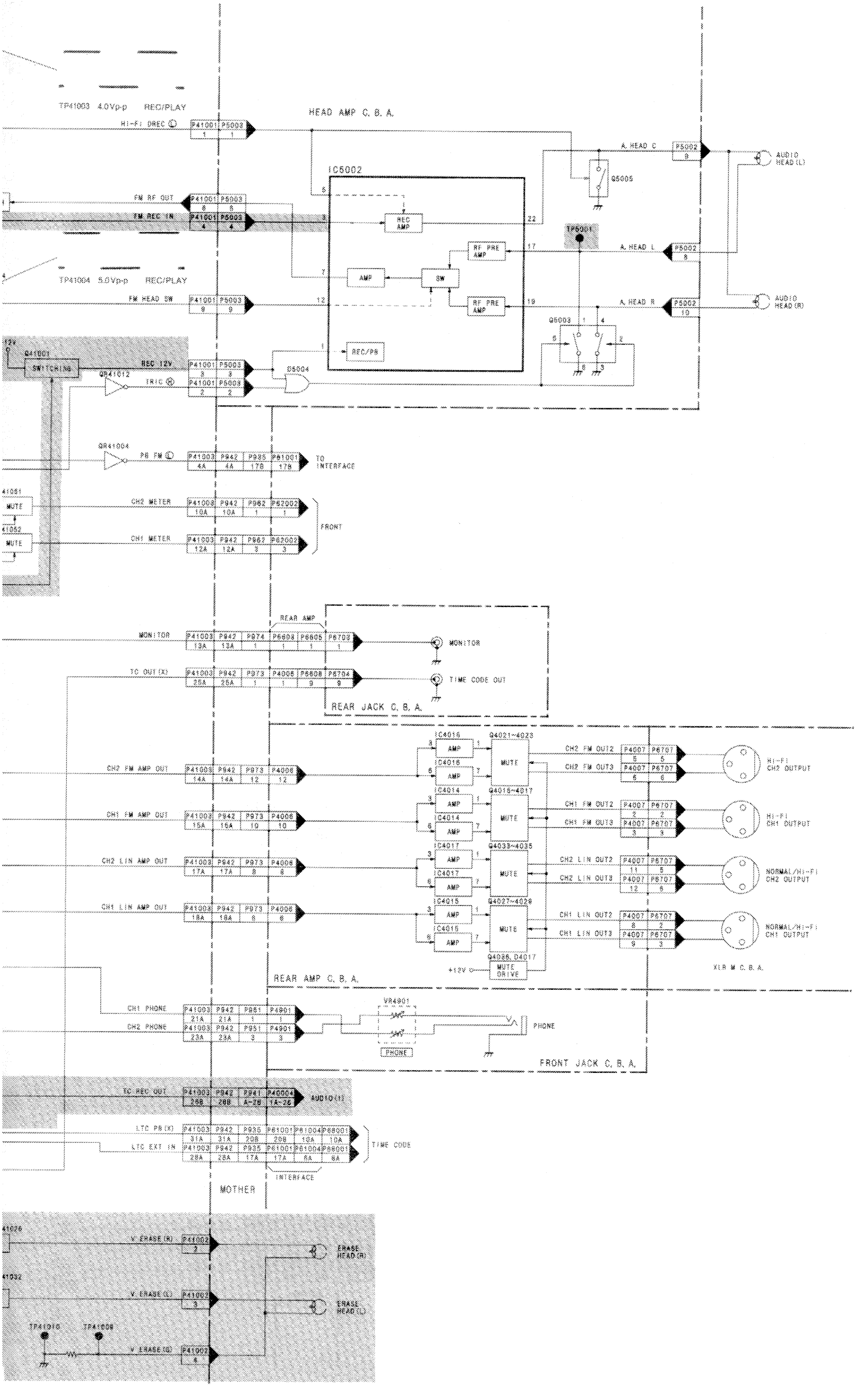
Hi-Fi AUDIO BLOCK DIAGRAM



SERVO/SYSTEM CTL
V HSW
IC41001
AUDIO(1)
FM CH2 IN
FM CH1 IN
EVR
REC
PB
20KHz L.P.F.
CCA
ATT
EMPHASIS
WEIGHTING
DET
VR41009
VR41008
HI-FI CH2 LEVEL
VR4204
VR4203
HI-FI CH1 LEVEL
Hi-Fi CH2 VR
Hi-Fi CH1 VR
Hi-Fi VR RET
FRONT
AUDIO METER C. B. A.
Q41004
Q41005
REF. VOL. GEN.
REC BIAS
PB/REC CTRL
QR41003
FM EE
TRIC
MUTE
Q41002
TO41001
Q41003
TO41002
QR41002
D41015
FM MUT
FM REC
FM DREC
IC41011
IC41012
POWER MUT
LIN CH2 OUT
LIN CH1 OUT
SW62023 AUDIO OUT
HI-FI
NORM
SW62022 MON OUT
+5V
CH2
MIX
CH1
SW62021 MON
FRONT C. B. A.
FM OUT
FM MON
QR41006
VR41014
T.C METER
IC41010
Q41015
Q41009
QR41007
REAR AMP
TIME CODE IN
REAR JACK C. B. A.
TC IN(X)
IC41005
COMPARATOR
TC PB
TC MUT
TC EE
TC X2
LTC MUT
TC REC
TCG/TCR ON
LTC OUT
TIME CODE
INTERFACE
Q41014
IC41006
AMP
LIMITER
D41010
FLY DSC
VERSH
VERSL
MOTHER
AUDIO(2) C. B. A.



TP41003
TP41003 4.0Vp-p
CH2 REC/PB LEVEL
VR41005
CH2 FG
VR41006
+5V
AG-7600 ONLY
TP41008
VR41007
CH2 REC CUR
TP41006
FL41001
1.4MHz B.P.F.
1.8MHz B.P.F.
Q41006
BUFFER
EMPHASIS
HOLD2
AMP
HOLD1
VCO
Hi-Fi L.P.F.
L.P.F.
PHASE COMP.
Hi-Fi LIM
AUDIO LIM
HOLD MM
D.O DET.
TP41007
AUDIO HEAD SW SHIFT
IC41003
+5V
VR41004
TP41004
TP41004 5.0Vp-p
Q41007
BUFFER
CH1 REC CUR
VR41003
TP41005
AG-7600 ONLY
ENVELOPE DET.
CH1 REC/PB LEVEL
VR41001
VR41002
CH1 FG
TP41006 360mVp-p PLAY
TP41007 340mVp-p PLAY
+12V
Q41001
SWITCHING
QR41012
QR41004
IC41007
BUFFER
D41003, 41004
DET
D41005
LIMITER
CH2 METER ADJ
VR41013
Q41051
MUTE
D41001, 41002
VR41012
CH1 METER ADJ
Q41052
TP41002
IC41011
IC41013
IC41011, 41012
SELECTOR
IC41004
Q41008
Q41053
RESET
+12V
Q41040
MUTE
Q41041, 41042
ATT
IC41016
CH2 F
Q41037
Q41036, 41039
CH1 F
IC41012
Q41046
Q41047, 41048
IC41017
CH2 LI
Q41043
Q41044, 41045
CH1 LI
QR41008
AUDIO OUTPUT LEVEL SELECT
-6
+12V
0
SW41001
+4
Q41015
D41009
IC41014
IC41015
Q41017
QR41007
Q41018
IC41005
COMPARATOR
IC41006
IC41009
Q41011
LIMITER
IC41009
AMP
IC41010
Q41013
IC41008, 41010
Q41012
WAVEFORM SHAPER
Q41012
BUFFER
ERASE1
Q41021
VR41016
Q41022
Q41027
Q41023-41026
Q41025
Q41019
OSC
Q41020
ERASE2
Q41028
VR41015
Q41029
Q41033
Q41030-41032
Q41034
QR41009
QR41010
QR41011
TP41010
TP41009


TP41003 4.0Vp-p REC/PLAY
HEAD AMP C. B. A.
HI-FI DREC Ⓛ
P41001 P5003
FM RF OUT
FM REC IN
TP41004 5.0Vp-p REC/PLAY
FM HEAD SW
IC5002
REC AMP
RF PRE AMP
AMP
SW
REC/PB
A. HEAD C
A. HEAD L
A. HEAD R
P5002
TP5001
Q5005
Q5003
AUDIO HEAD (L)
AUDIO HEAD (R)
12V
Q41001
SWITCHING
REC 12V
QR41012
TRIC Ⓗ
D5004
QR41004
PB FM Ⓛ
P41003 P942 P935 P81001
TO INTERFACE
CH2 METER
CH1 METER
P41003 P942 P962 P62002
FRONT
MUTE
REAR AMP
MONITOR
P41003 P942 P974 P6608 P6605 P6703
TC OUT (X)
P41003 P942 P973 P4005 P6608 P6704
TIME CODE OUT
REAR JACK C. B. A.
CH2 FM AMP OUT
CH1 FM AMP OUT
CH2 LIN AMP OUT
CH1 LIN AMP OUT
P41003 P942 P973 P4006
IC4016
IC4014
IC4017
IC4015
AMP
Q4021~4023
Q4015~4017
Q4033~4035
Q4027~4029
MUTE
CH2 FM OUT2
CH2 FM OUT3
CH1 FM OUT2
CH1 FM OUT3
CH2 LIN OUT2
CH2 LIN OUT3
CH1 LIN OUT2
CH1 LIN OUT3
P4007 P6707
HI-FI CH2 OUTPUT
HI-FI CH1 OUTPUT
NORMAL/HI-FI CH2 OUTPUT
NORMAL/HI-FI CH1 OUTPUT
Q4036, D4017
+12V
MUTE DRIVE
XLR M C. B. A.
REAR AMP C. B. A.
CH1 PHONE
CH2 PHONE
P41003 P942 P951 P4901
VR4901
PHONE
FRONT JACK C. B. A.
TC REC OUT
P41003 P942 P941 P40004
AUDIO (1)
LTC PB (X)
LTC EXT IN
P41003 P942 P935 P61001 P61004 P68001
TIME CODE
INTERFACE
MOTHER
V. ERASE (R)
V. ERASE (L)
V. ERASE (G)
P41002
ERASE HEAD (R)
ERASE HEAD (L)
TP41010
TP41008

IMPORTANT SAFETY NOTICE

COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE

DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST. AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

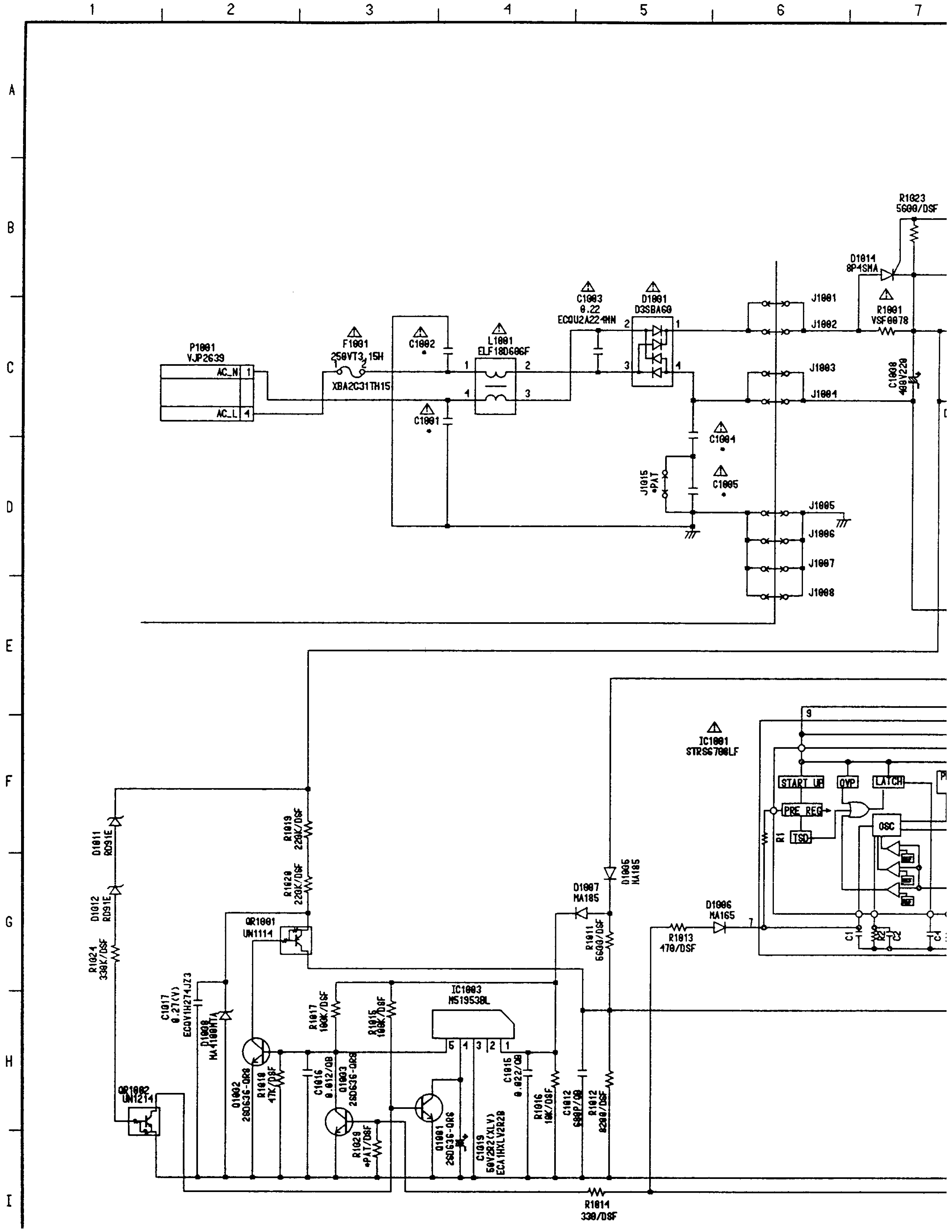
GENERAL COMPARISON CHART

SCHEMATIC DIAGRAM	AG-7700 ⁄7600	REMARK
POWER SCHEMATIC DIAGRAM 1⁄1 (E1)	SCM-5	CHANGED (See Page : SCM-7)
POWER CONNECT SCHEMATIC DIAGRAM 1⁄1 (E32)	SCM-5	COMMON (See AG-7700/ 7600 S/ M)
SYSTEM CONTROL SCHEMATIC DIAGRAM 1⁄11 (E3)	SCM-7	CHANGED (See Page : SCM-9)
SUB SYSTEM CONTROL SCHEMATIC DIAGRAM 2⁄11 (E3)	SCM-6	CHANGED (See Page : SCM-8)
REEL SERVO SCHEMATIC DIAGRAM 3⁄11 (E3)	SCM-9	CHANGED (See Page : SCM-11)
CYL SERVO SCHEMATIC DIAGRAM 4⁄11 (E3)	SCM-8	CHANGED (See Page : SCM-10)
CTL AMP SCHEMATIC DIAGRAM 5⁄11 (E3)	SCM-10	CHANGED (See Page : SCM-12)
WIDE SCHEMATIC DIAGRAM 6⁄11 (E3)	SCM-11	CHANGED (See Page : SCM-13)
CAPSTAN SERVO-1 SCHEMATIC DIAGRAM 7⁄11 (E3)	SCM-11	CHANGED (See Page : SCM-13)
CAPSTAN SERVO-2 SCHEMATIC DIAGRAM 8⁄11 (E3)	SCM-12	CHANGED (See Page : SCM-14)
MOTOR DRIVE-1 SCHEMATIC DIAGRAM 9⁄11 (E3)	SCM-12	CHANGED (See Page : SCM-14)
MOTOR DRIVE-2 SCHEMATIC DIAGRAM 10⁄11 (E3)	SCM-13	CHANGED (See Page : SCM-15)
SUB POWER SCHEMATIC DIAGRAM 11⁄11 (E3)	SCM-14	CHANGED (See Page : SCM-16)
VIDEO I/ O-1 SCHEMATIC DIAGRAM 1⁄7 (E5)	SCM-15	CHANGED (See Page : SCM-17)
VIDEO I/ O-2 SCHEMATIC DIAGRAM 2⁄7 (E5)	SCM-17	CHANGED (See Page : SCM-19)
VIDEO I/ O-3 SCHEMATIC DIAGRAM 3⁄7 (E5)	SCM-16	CHANGED (See Page : SCM-18)
VIDEO I/ O-4 SCHEMATIC DIAGRAM 4⁄7 (E5)	SCM-18	CHANGED (See Page : SCM-20)
VIDEO I/ O-5 SCHEMATIC DIAGRAM 5⁄7 (E5)	SCM-19	CHANGED (See Page : SCM-21)
VIDEO I/ O-6 SCHEMATIC DIAGRAM 6⁄7 (E5)	SCM-20	CHANGED (See Page : SCM-22)
VIDEO I/ O COMPARISON CHART 7⁄7 (E5)	SCM-20	CHANGED (See Page : SCM-22)
XLR M SCHEMATIC DIAGRAM 1⁄1 (E30)	SCM-20	COMMON (See AG-7700/ 7600 S/ M)
XLR F SCHEMATIC DIAGRAM 1⁄1 (E31:AG-8700 ONLY)	SCM-20	COMMON (See AG-7700/ 7600 S/ M)
VIDEO YC-1 SCHEMATIC DIAGRAM 1⁄6 (E6)	SCM-21	CHANGED (See Page : SCM-23)
VIDEO YC-2 SCHEMATIC DIAGRAM 2⁄6 (E6)	SCM-22	CHANGED (See Page : SCM-24)
VIDEO YC-3 SCHEMATIC DIAGRAM 3⁄6 (E6)	SCM-23	CHANGED (See Page : SCM-25)
VIDEO YC-4 SCHEMATIC DIAGRAM 4⁄6 (E6)	SCM-24	CHANGED (See Page : SCM-26)
VIDEO YC-5 SCHEMATIC DIAGRAM 5⁄6 (E6)	SCM-25	CHANGED (See Page : SCM-27)
VIDEO YC COMPARISON CHART 6⁄6 (E6)	SCM-24	CHANGED (See Page : SCM-26)
YC REC-1 SCHEMATIC DIAGRAM 1⁄6 (E13:AG-8700 ONLY)	SCM-26	CHANGED (See Page : SCM-28)
YC REC-2 SCHEMATIC DIAGRAM 2⁄6 (E13:AG-8700 ONLY)	SCM-25	CHANGED (See Page : SCM-27)
YC REC-3 SCHEMATIC DIAGRAM 3⁄6 (E13:AG-8700 ONLY)	SCM-26	CHANGED (See Page : SCM-28)
YC REC-4 SCHEMATIC DIAGRAM 4⁄6 (E13:AG-8700 ONLY)	SCM-27	CHANGED (See Page : SCM-29)
YC REC-5 SCHEMATIC DIAGRAM 5⁄6 (E13:AG-8700 ONLY)	SCM-28	CHANGED (See Page : SCM-30)
YC REC-6 SCHEMATIC DIAGRAM 6⁄6 (E13:AG-8700 ONLY)	SCM-29	CHANGED (See Page : SCM-31)

SCHEMATIC DIAGRAM	AG-7700 /7600	REMARK
AUDIO (1) LINER (AG-8700) SCHEMATIC DIAGRAM 1/3 (E7)	SCM-29	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (1) CONTROL (AG-8700) SCHEMATIC DIAGRAM 2/3 (E7)	SCM-30	COMMON (See AG-7700/ 7600 S/ M)
AUDIO METER SCHEMATIC DIAGRAM 1/1 (E21)	SCM-30	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (1) INPUT (AG-8700) SCHEMATIC DIAGRAM 3/3 (E7)	SCM-31	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (1) LINER (AG-8600) SCHEMATIC DIAGRAM 1/3 (E7)	SCM-32	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (1) CONTROL (AG-8600) SCHEMATIC DIAGRAM 2/3 (E7)	SCM-33	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (1) INPUT (AG-8600) SCHEMATIC DIAGRAM 3/3 (E7)	SCM-34	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (2) PHONE OUT (AG-8700) SCHEMATIC DIAGRAM 3/5 (E8)	SCM-34	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (2) FM AUDIO (AG-8700) SCHEMATIC DIAGRAM 1/5 (E8)	SCM-35	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (2) TC (AG-8700) SCHEMATIC DIAGRAM 2/5 (E8)	SCM-36	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (2) FLYING ERACE (AG-8700) SCHEMATIC DIAGRAM 4/5 (E8)	SCM-37	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (2) OUTPUT (AG-8700) SCHEMATIC DIAGRAM 5/5 (E8)	SCM-38	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (2) FM AUDIO (AG-8600) SCHEMATIC DIAGRAM 1/4 (E8)	SCM-39	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (2) TC (AG-8600) SCHEMATIC DIAGRAM 2/4 (E8)	SCM-40	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (2) PHONE OUT (AG-8600) SCHEMATIC DIAGRAM 3/4 (E8)	SCM-41	COMMON (See AG-7700/ 7600 S/ M)
AUDIO (2) OUTPUT (AG-8600) SCHEMATIC DIAGRAM 4/4 (E8)	SCM-41	COMMON (See AG-7700/ 7600 S/ M)
INTERFACE-1 SCHEMATIC DIAGRAM 1/6 (E9)	SCM-42	CHANGED (See Page : SCM-31)
INTERFACE-2 SCHEMATIC DIAGRAM 2/6 (E9)	SCM-42	CHANGED (See Page : SCM-32)
INTERFACE-3 SCHEMATIC DIAGRAM 3/6 (E9)	SCM-43	CHANGED (See Page : SCM-32)
INTERFACE-4 SCHEMATIC DIAGRAM 4/6 (E9)	SCM-43	CHANGED (See Page : SCM-33)
INTERFACE-5 SCHEMATIC DIAGRAM 5/6 (E9)	SCM-43	CHANGED (See Page : SCM-33)
INTERFACE COMPARISON CHART 6/6 (E9)	SCM-43	CHANGED (See Page : SCM-33)
TIME CODE-1 SCHEMATIC DIAGRAM 1/3 (E10)	SCM-44	COMMON (See AG-7700/ 7600 S/ M)
TIME CODE COMPARISON CHART 3/3 (E10)	SCM-44	COMMON (See AG-7700/ 7600 S/ M)
TIME CODE-2 SCHEMATIC DIAGRAM 2/3 (E10)	SCM-44	COMMON (See AG-7700/ 7600 S/ M)
REEL DRIVE SCHEMATIC DIAGRAM 1/1 (E14)	SCM-45	COMMON (See AG-7700/ 7600 S/ M)
HEAD AMP SCHEMATIC DIAGRAM 1/1 (E15)	SCM-46	CHANGED (See Page : SCM-34)
FRONT-1 SCHEMATIC DIAGRAM 1/4 (E16)	SCM-47	CHANGED (See Page : SCM-35)
FRONT-2 SCHEMATIC DIAGRAM 2/4 (E16)	SCM-47	CHANGED (See Page : SCM-34)
FRONT-3 SCHEMATIC DIAGRAM 3/4 (E16)	SCM-48	CHANGED (See Page : SCM-35)
FRONT COMPARISON CHART 4/4 (E16)	SCM-48	CHANGED (See Page : SCM-35)
FRONT LED SCHEMATIC DIAGRAM 1/2 (E17:AG-8700 ONLY)	SCM-48	COMMON (See AG-7700/ 7600 S/ M)
FRONT LED COMPARISON CHART 2/2 (E17:AG8700 ONLY)	SCM-48	COMMON (See AG-7700/ 7600 S/ M)
KEYBOARD SCHEMATIC DIAGRAM 1/2 (E18)	SCM-48	COMMON (See AG-7700/ 7600 S/ M)
KEYBOARD COMPARISON CHART 2/2 (E18)	SCM-48	COMMON (See AG-7700/ 7600 S/ M)
REAR AMP VIDEO SCHEMATIC DIAGRAM 1/4 (E28)	SCM-49	CHANGED (See Page : SCM-48)
REAR AMP AUDIO IN SCHEMATIC DIAGRAM 2/4 (E28)	SCM-49	CHANGED (See Page : SCM-49)
REAR AMP AUDIO OUT SCHEMATIC DIAGRAM 3/4 (E28)	SCM-50	CHANGED (See Page : SCM-50)
REAR AMP COMPARISON CHART 4/4 (E28)	SCM-50	CHANGED (See Page : SCM-51)
REAR JACK SCHEMATIC DIAGRAM 1/2 (E29)	SCM-51	CHANGED (See Page : SCM-52)
REAR JACK COMPARISON CHART 2/2 (E29)	SCM-51	CHANGED (See Page : SCM-52)
9PIN CONNECT SCHEMATIC DIAGRAM 1/1 (E33)	SCM-51	COMMON (See AG-7700/ 7600 S/ M)
MIC JACK SCHEMATIC DIAGRAM 1/1 (E20:AG-8700 ONLY)	SCM-52	COMMON (See AG-7700/ 7600 S/ M)
FRONT JACK SCHEMATIC DIAGRAM 1/2 (E19)	SCM-52	COMMON (See AG-7700/ 7600 S/ M)
FRONT JACK COMPARISON CHART 2/2 (E19)	SCM-52	COMMON (See AG-7700/ 7600 S/ M)
MOTHER SCHEMATIC DIAGRAM 1/1 (E4)	SCM-53	CHANGED (See Page : SCM-53)
INTERCONNECTION SCHEMATIC DIAGRAM	SCM-54	CHANGED (See Page : SCM-54)

SCHEMATIC DIAGRAM	AG-7700 /7600	REMARK
Y MEMORY SCHEMATIC DIAGRAM 1/9 (E11)	–	ADDED (See Page : SCM-36)
PB SYNC. SEP. SCHEMATIC DIAGRAM 2/9 (E11)	–	ADDED (See Page : SCM-37)
WRITE PLL SCHEMATIC DIAGRAM 3/9 (E11)	–	ADDED (See Page : SCM-38)
CLAMP & AMP SCHEMATIC DIAGRAM 4/9 (E11)	–	ADDED (See Page : SCM-39)
C MEMORY SCHEMATIC DIAGRAM 5/9 (E11)	–	ADDED (See Page : SCM-40)
G.A. BLOCK SCHEMATIC DIAGRAM 6/9 (E11)	–	ADDED (See Page : SCM-41)
READ CLK GEN. SCHEMATIC DIAGRAM 7/9 (E11)	–	ADDED (See Page : SCM-42)
TBC (1) CONNECTION SCHEMATIC DIAGRAM 8/9 (E11)	–	ADDED (See Page : SCM-43)
TBC (1) COMPARISON CHART 9/9 (E11)	–	ADDED (See Page : SCM-43)
SYSNC GEN-1 SCHEMATIC DIAGRAM 1/6 (E12)	–	ADDED (See Page : SCM-44)
SYSNC GEN-2 SCHEMATIC DIAGRAM 2/6 (E12)	–	ADDED (See Page : SCM-45)
SYSNC GEN-3 SCHEMATIC DIAGRAM 3/6 (E12)	–	ADDED (See Page : SCM-46)
ENCODER SCHEMATIC DIAGRAM 4/6 (E12)	–	ADDED (See Page : SCM-47)
TBC (2) CONNECTION SCHEMATIC DIAGRAM 5/6 (E12)	–	ADDED (See Page : SCM-47)
TBC (2) COMPARISON CHART 6/6 (E12)	–	ADDED (See Page : SCM-48)

POWER SCHEMATIC DIAGRAM (E1: Page CBA-3)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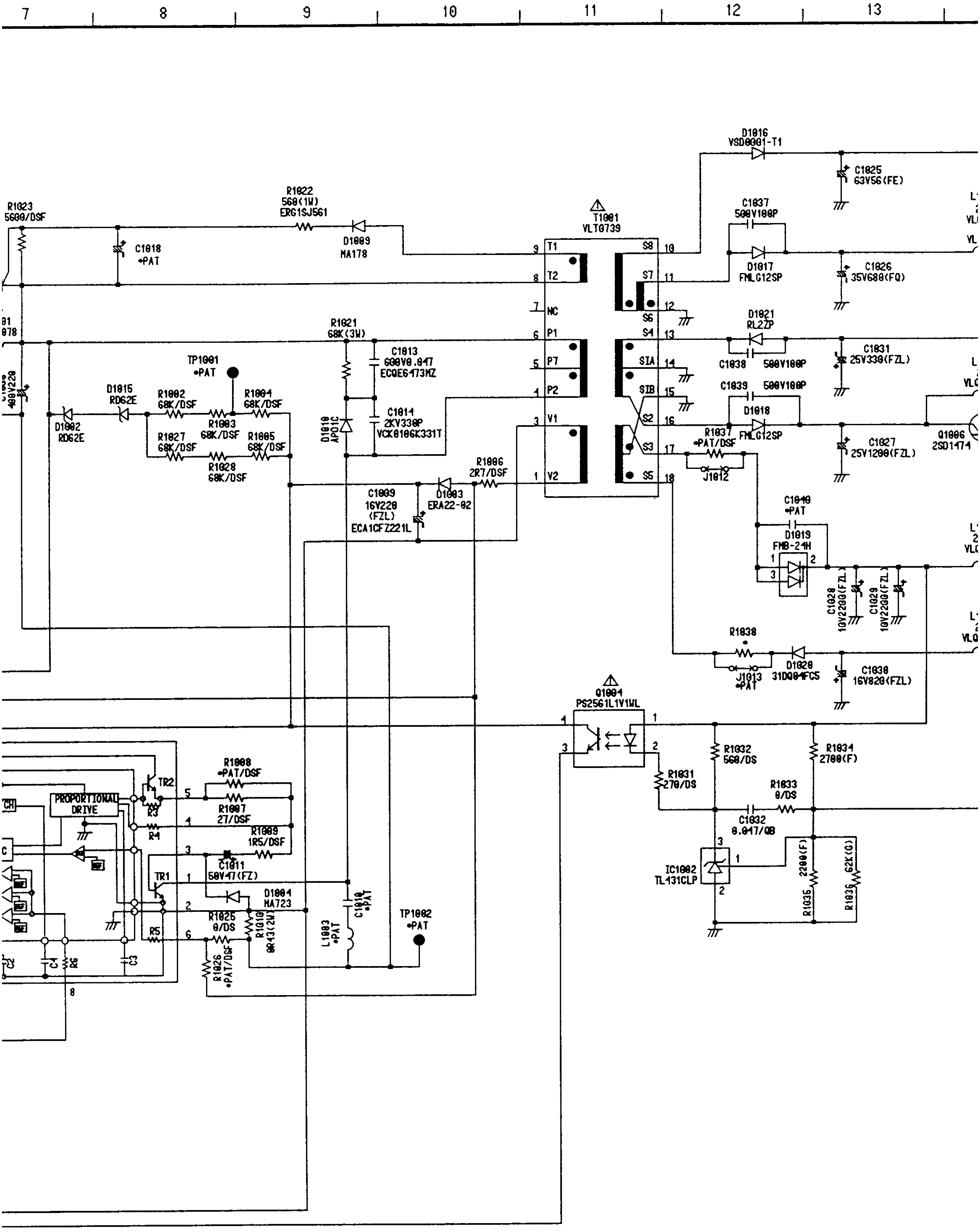
A
B
C
D
E
F
G
H
I
R1023
5600/DSF
D1014
8P4SMA
J1001
J1002
R1001
VSF0078
C1003
0.22
ECQU2A224MN
D1001
D3SBA60
P1001
VJP2639
AC_N
1
AC_L
4
F1001
250VT3.15H
XBA2C31TH15
C1002
C1001
L1001
ELF18D606F
J1003
J1004
C1008
400V220
C1004
C1005
J1015
*PAT
J1005
J1006
J1007
J1008
IC1001
STRS6708LF
9
START UP
OVP
LATCH
PRE REG
TSD
OSC
R1
C1
C4
D1011
RD91E
D1012
RD91E
R1024
330K/DSF
R1019
220K/DSF
R1020
220K/DSF
QR1001
UN1114
D1007
MA185
D1005
MA185
D1006
MA165
7
R1011
5600/DSF
R1013
470/DSF
C1017
0.27(V)
ECQV1H274JZ3
D1008
MA4100HTA
R1017
100K/DSF
R1015
100K/DSF
IC1003
M51953BL
5
4
3
2
1
Q1002
2SD636-QR8
R1018
47K/DSF
C1016
0.012/0B
Q1003
2SD636-QR8
C1015
0.022/0B
R1016
10K/DSF
C1012
680P/0B
R1012
8200/DSF
QR1002
UN1214
R1029
*PAT/DSF
Q1001
2SD636-QR6
C1019
50V2R2(XLV)
ECA1HXLV2R2B
R1014
330/DSF


7
8
9
10
11
12
13
R1023
5600/DSF
R1022
560(1W)
ERG1SJ561
D1009
MA178
C1018
•PAT
T1001
VLT0739
T1
T2
NC
P1
P7
P2
V1
V2
S8
S7
S6
S4
SIA
SIB
S2
S3
S5
9
8
7
6
5
4
3
1
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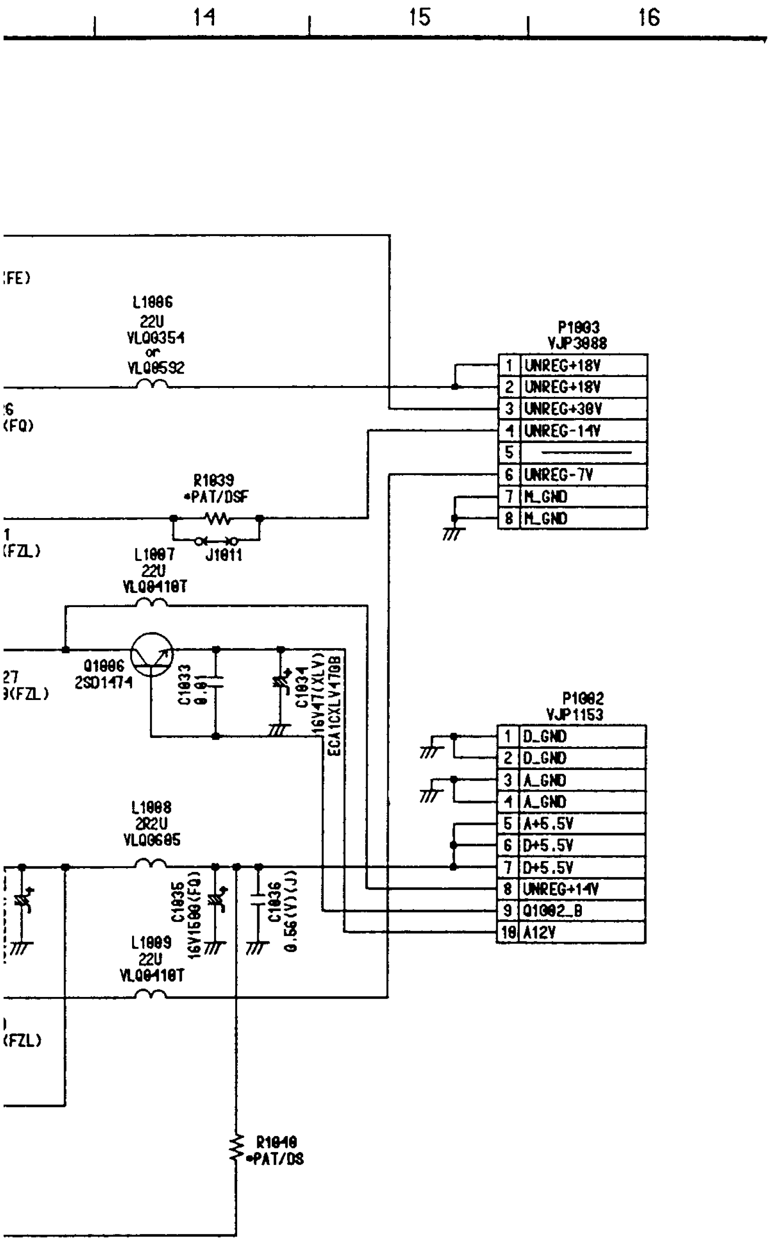
11
12
13
14
15
16
17
18
D1016
VSD0001-T1
C1025
63V56(FE)
C1037
500V100P
D1017
FMLG12SP
C1026
35V680(FQ)
D1021
RL2ZP
C1038
500V100P
C1031
25V330(FZL)
C1039
500V100P
D1018
FMLG12SP
C1027
25V1200(FZL)
Q1006
2SD1474
R1037
•PAT/DSF
J1012
C1040
•PAT
D1019
FMB-24H
C1028
10V2200(FZL)
C1029
10V2200(FZL)
R1038
•
J1013
•PAT
D1020
31DQ04FC5
C1030
16V820(FZL)
R1021
68K(3W)
C1013
600V0.047
ECQE6473MZ
C1014
2KV330P
VCK0106K331T
D1010
AP01C
TP1001
•PAT
D1015
RD62E
D1002
RD62E
R1002
68K/DSF
R1004
68K/DSF
R1003
68K/DSF
R1027
68K/DSF
R1005
68K/DSF
R1028
68K/DSF
400V220
R1006
2R7/DSF
C1009
16V220
(FZL)
ECA1CFZ221L
D1003
ERA22-02
Q1004
PS2561L1V1WL
R1032
560/DS
R1034
2700(F)
R1031
270/DS
R1033
0/DS
C1032
0.047/QB
IC1002
TL431CLP
R1035
2200(F)
R1036
62K(G)
PROPORTIONAL
DRIVE
CH
C
TR2
TR1
R3
R4
R5
C2
C4
R6
C3
R1008
•PAT/DSF
R1007
27/DSF
R1009
1R5/DSF
C1011
50V47(FZ)
D1004
MA723
R1025
0/DS
R1010
0R43(2W)
R1026
•PAT/DSF
L1003
•PAT
C1010
•PAT
TP1002
•PAT
VL


14
15
16
:FE)
L1006
22U
VLQ0354
or
VLQ0592
:6
(FQ)
P1003
VJP3088
1 UNREG+18V
2 UNREG+18V
3 UNREG+30V
4 UNREG-14V
5
6 UNREG-7V
7 M_GND
8 M_GND
R1039
*PAT/DSF
1
(FZL)
L1007
22U
VLQ0410T
J1011
Q1006
2SD1474
27
)(FZL)
C1033
0.01
C1034
16V47(XLV)
ECA1CXLV470B
P1002
VJP1153
1 D_GND
2 D_GND
3 A_GND
4 A_GND
5 A+5.5V
6 D+5.5V
7 D+5.5V
8 UNREG+14V
9 Q1002_B
10 A12V
L1008
2R2U
VLQ0605
C1035
16V1500(FQ)
C1036
0.56(V)(J)
L1009
22U
VLQ0410T
)
(FZL)
R1040
*PAT/DS

*REFER TO THE COMPARISON CHART

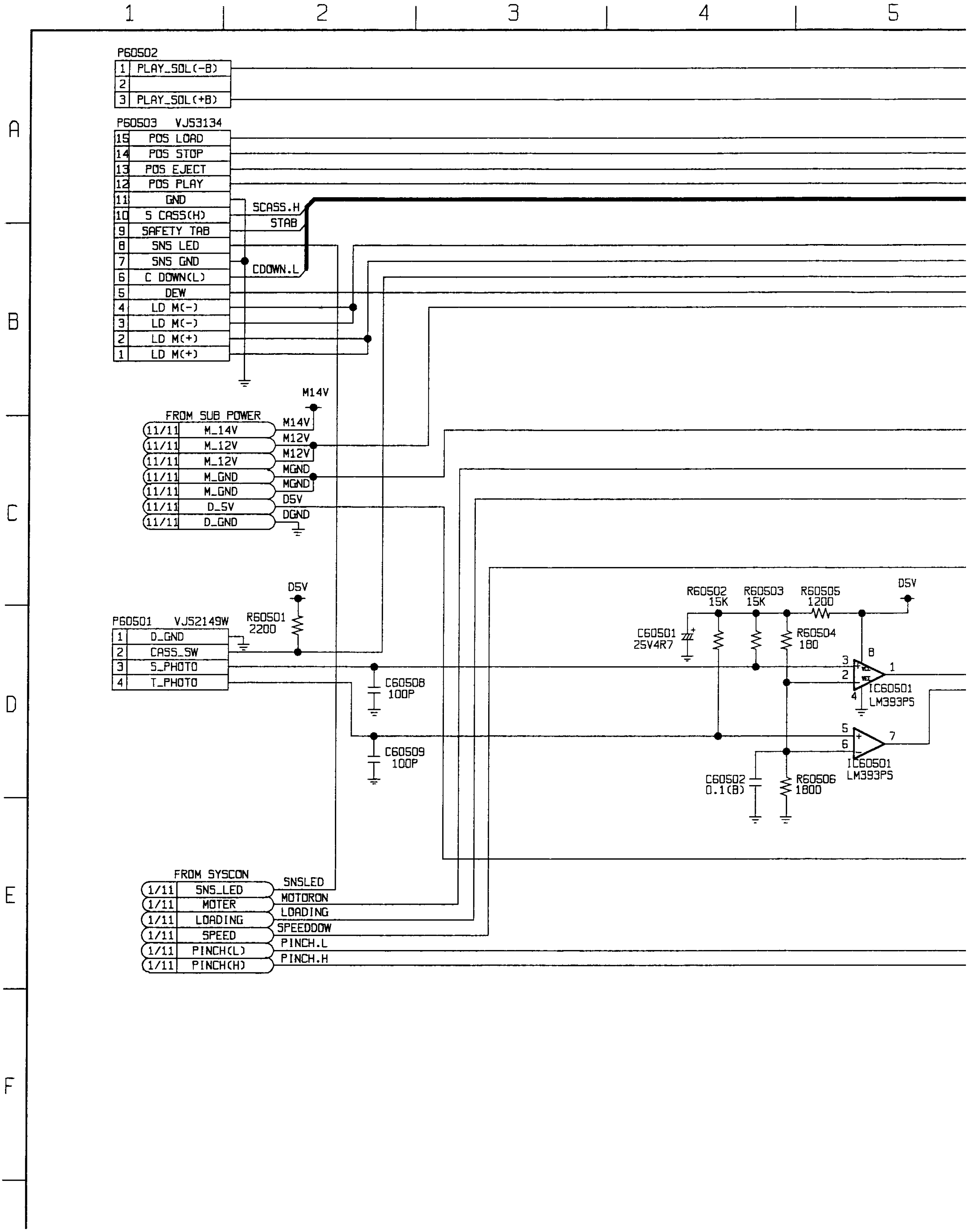
Ref No.1000 Series

REF	AG-8700	AG-8600
C1001	VCK0260M332	VCK0260M332
C1002	VCK0260M332	VCK0260M332
C1004	VCK0260M102	VCK0260M102
C1005	VCK0260M102	VCK0260M102
C1010	*PAT	*PAT
C1018	*PAT	*PAT
C1040	*PAT	*PAT
J1013	*PAT	*PAT
J1015	*PAT	*PAT
L1003	*PAT	*PAT
R1008	*PAT/DSF	*PAT/DSF
R1026	*PAT/DSF	*PAT/DSF
R1029	*PAT/DSF	*PAT/DSF
R1037	*PAT/DSF	*PAT/DSF
R1038	ERX3SJR82P	ERX3SJR82P
R1039	*PAT/DSF	*PAT/DSF
R1040	*PAT/DS	*PAT/DS
TP1001	*PAT	*PAT
TP1002	*PAT	*PAT

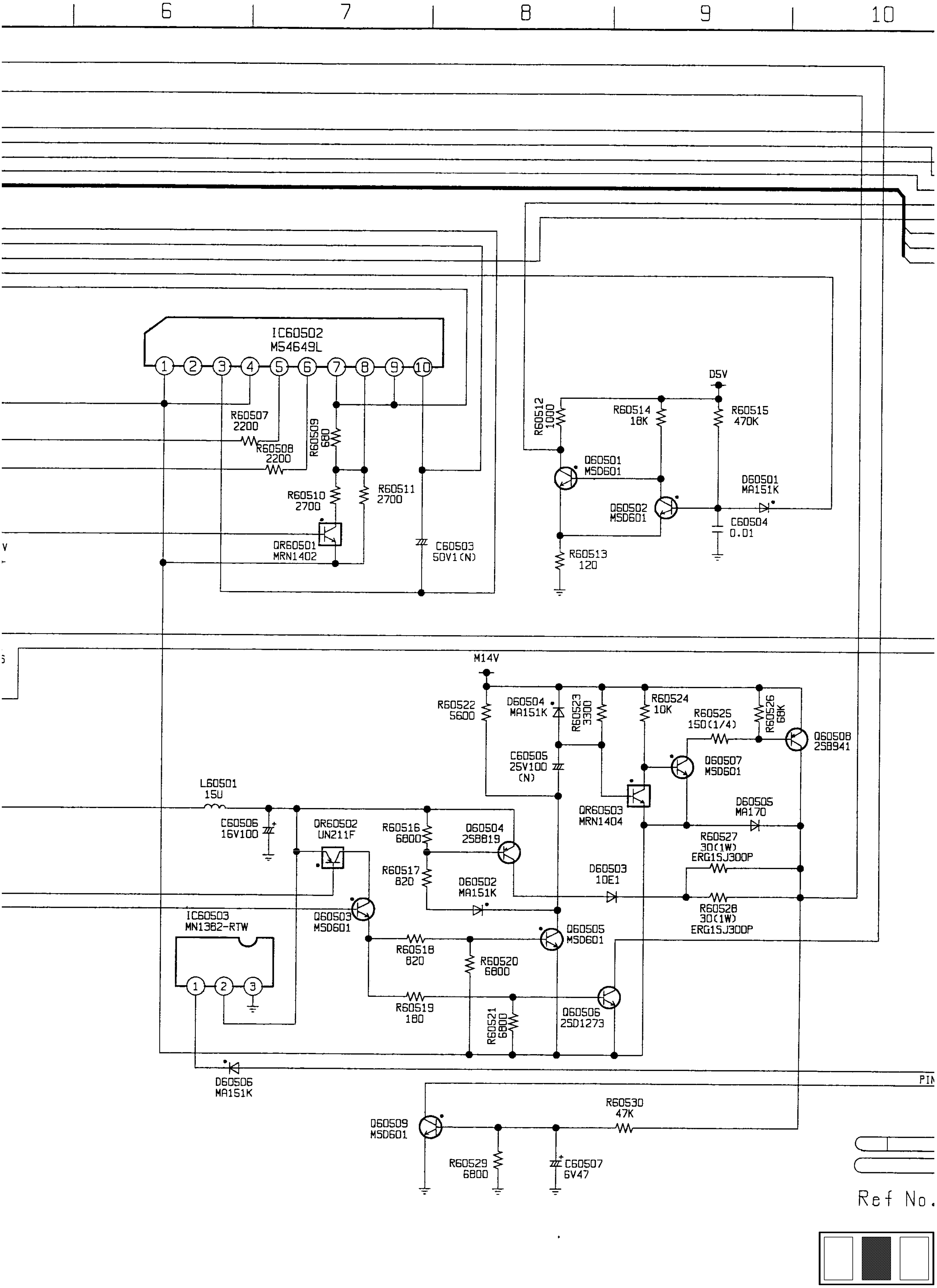
POWER DC VOLTAGE CHART

REF. NO.	IC1001									
MODE	1	2	3	4	5	6	7	8	9	
STOP	–	0	0	0.3	0.9	−0.1	0.2	1.3	7.5	
REC	–	0	0	0.3	0.9	−0.1	0.2	1.3	7.5	
REF. NO.	IC1002					IC1003				
MODE	K	A	G			1	2	3	4	5
STOP	4.1	0	2.5			8.0	0	0	1.2	0
REC	4.1	0	2.5			8.2	0	0	1.2	0
REF. NO.	Q1001			Q1002			Q1003			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	1.2	0	0	–	0	0	0	0.7	
REC	0	1.2	0	0	–	0	0	0	0.7	
REF. NO.	Q1004						Q1006			
MODE	1	2	3	4			E	C	B	
STOP	5.7	4.6	1.2	7.5			11.9	13.5	12.5	
REC	5.7	4.6	1.2	7.5			11.9	13.4	12.5	
REF. NO.	QR1001			QR1002						
MODE	E	C	B	E	C	B				
STOP	10.1	1.3	–	0	0	5.1				
REC	10.1	1.3	–	0	0	5.1				

SUB SYSTEM CONTROL SCHEMATIC DIAGRAM 2/11 (E3: Page CBA-5)


1
2
3
4
5
A
B
C
D
E
F
P60502
1 PLAY_SOL(-B)
2
3 PLAY_SOL(+B)
P60503 VJ53134
15 POS LOAD
14 POS STOP
13 POS EJECT
12 POS PLAY
11 GND
10 S CASS(H)
9 SAFETY TAB
8 SNS LED
7 SNS GND
6 C DOWN(L)
5 DEW
4 LD M(-)
3 LD M(-)
2 LD M(+)
1 LD M(+)
SCASS.H
STAB
CDOWN.L
M14V
FROM SUB POWER
11/11 M_14V
11/11 M_12V
11/11 M_12V
11/11 M_GND
11/11 M_GND
11/11 D_5V
11/11 D_GND
M14V
M12V
M12V
MGND
MGND
D5V
DGND
D5V
R60501
2200
P60501 VJ52149W
1 D_GND
2 CASS_SW
3 S_PHOTO
4 T_PHOTO
C60508
100P
C60509
100P
R60502
15K
R60503
15K
R60505
1200
D5V
C60501
25V4R7
R60504
180
3
2
8
1
4
IC60501
LM393PS
5
6
7
IC60501
LM393PS
C60502
0.1(B)
R60506
1800
FROM SYSCON
1/11 SNS_LED
1/11 MOTER
1/11 LOADING
1/11 SPEED
1/11 PINCH(L)
1/11 PINCH(H)
SNSLED
MOTORON
LOADING
SPEEDDOW
PINCH.L
PINCH.H

A-5)



6
7
8
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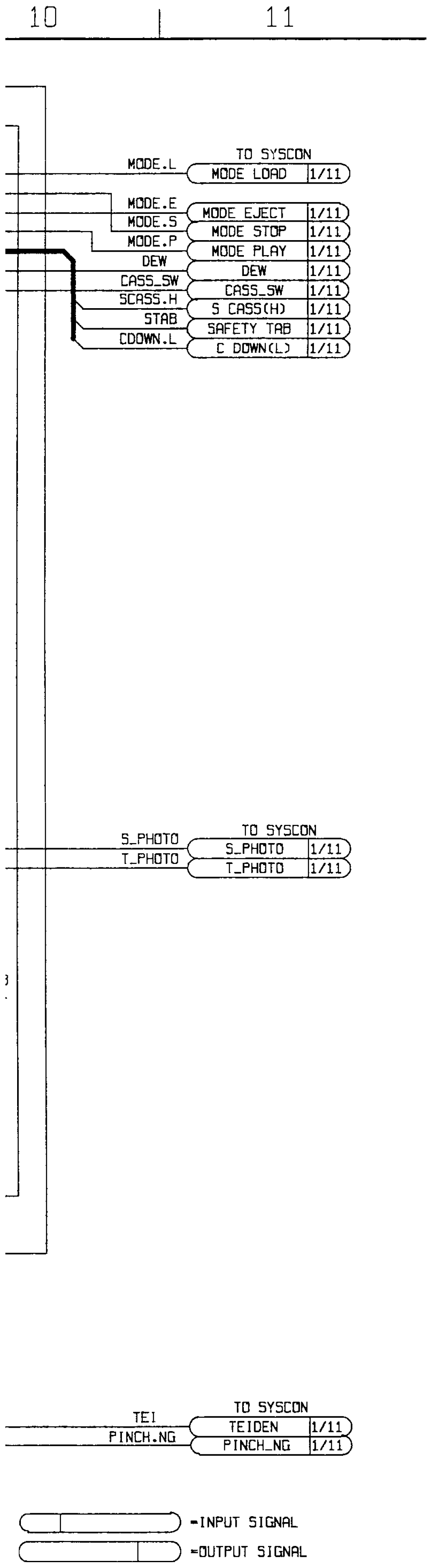
10
IC60502
M54649L
R60507
2200
R60508
2200
R60509
680
R60510
2700
R60511
2700
QR60501
MRN1402
C60503
50V1(N)
D5V
R60512
1000
R60514
18K
R60515
470K
Q60501
MSD601
Q60502
MSD601
D60501
MA151K
C60504
0.01
R60513
120
M14V
R60522
5600
D60504
MA151K
R60523
3300
R60524
10K
R60525
150(1/4)
R60526
68K
Q60508
2SB941
C60505
25V100
(N)
Q60507
MSD601
QR60503
MRN1404
D60505
MA170
L60501
15U
C60506
16V100
QR60502
UN211F
R60516
6800
Q60504
2SB819
R60527
30(1W)
ERG1SJ300P
R60517
820
D60502
MA151K
D60503
10E1
R60528
30(1W)
ERG1SJ300P
IC60503
MN1382-RTW
Q60503
MSD601
Q60505
MSD601
R60518
820
R60520
6800
R60519
180
R60521
6800
Q60506
2SD1273
D60506
MA151K
R60530
47K
Q60509
MSD601
R60529
6800
C60507
6V47
Ref No.

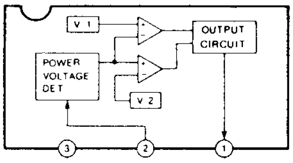

10
11
MODE.L
TO SYSCON
MODE LOAD 1/11
MODE.E
MODE EJECT 1/11
MODE.S
MODE STOP 1/11
MODE.P
MODE PLAY 1/11
DEW
DEW 1/11
CASS_SW
CASS_SW 1/11
SCASS.H
S CASS(H) 1/11
STAB
SAFETY TAB 1/11
CDOWN.L
C DOWN(L) 1/11
S_PHOTO
TO SYSCON
S_PHOTO 1/11
T_PHOTO
T_PHOTO 1/11
TEI
TO SYSCON
TEIDEN 1/11
PINCH.NG
PINCH_NG 1/11
=INPUT SIGNAL
=OUTPUT SIGNAL

Ref No.60500 Series.

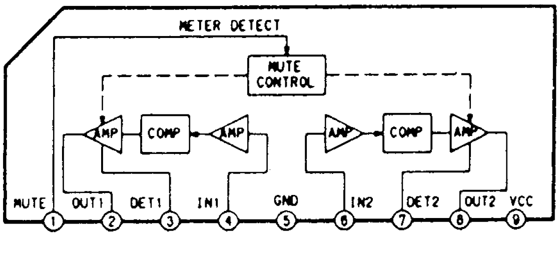
SUB SYSTEM CONTROL DC VOLTAGE CHART

REF. NO.	IC60501									
MODE	1	2	3	4	5	6	7	8		
STOP	4.9	2.9	3.2	0	3.2	2.9	4.9	5.1		
REC	4.8	2.9	3.2	0	3.2	2.9	4.8	5.1		
F.F	4.9	2.9	3.2	0	3.2	2.9	4.9	5.2		
REF. NO.	IC60502									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0.2	0.2	0	0	0	12.9	8.4	12.9	0.2
REC	0	0.2	0.2	0	0	0	12.9	8.4	12.9	0.2
F.F.	0	0.2	0.2	0	0	0	12.9	10.3	12.9	0.2
REF. NO.	IC60503									
MODE	V	G	O							
STOP	5.0	0	5.0							
REC	5.0	0	5.0							
F.F.	5.0	0	5.2							
REF. NO.	Q60501			Q60502			Q60503			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0.6	0.6	1.2	0.6	1.2	0.4	4.2	4.8	4.8	
REC	0.6	0.6	1.2	0.6	1.2	0.4	4.2	4.8	4.8	
F.F.	0.6	0.6	1.2	0.6	1.2	0.4	0	0.1	0	
REF. NO.	Q60504			Q60505			Q60506			
MODE	E	C	B	E	C	B	E	C	B	
STOP	5.0	4.8	4.2	0	0	0.8	0	0	0.7	
REC	5.0	4.8	4.2	0	0	0.8	0	0	0.7	
F.F.	5.2	−0.1	4.2	0	14.9	0	0	0	0	
REF. NO.	Q60507			Q60508			Q60509			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	14.8	0	14.9	1.4	14.8	0	4.9	0.2	
REC	0	14.8	0	14.9	1.4	14.8	0	4.8	0.2	
F.F.	0	14.8	0	14.9	0	14.8	0	4.9	0	
REF. NO.	QR60501			QR60502			QR60503			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	10.3	0	4.9	4.8	0	0	0	13.9	
REC	0	10.2	0	4.9	4.8	0	0	0	13.9	
F.F.	0	10.2	0	5.2	0	4.9	0	0	13.9	

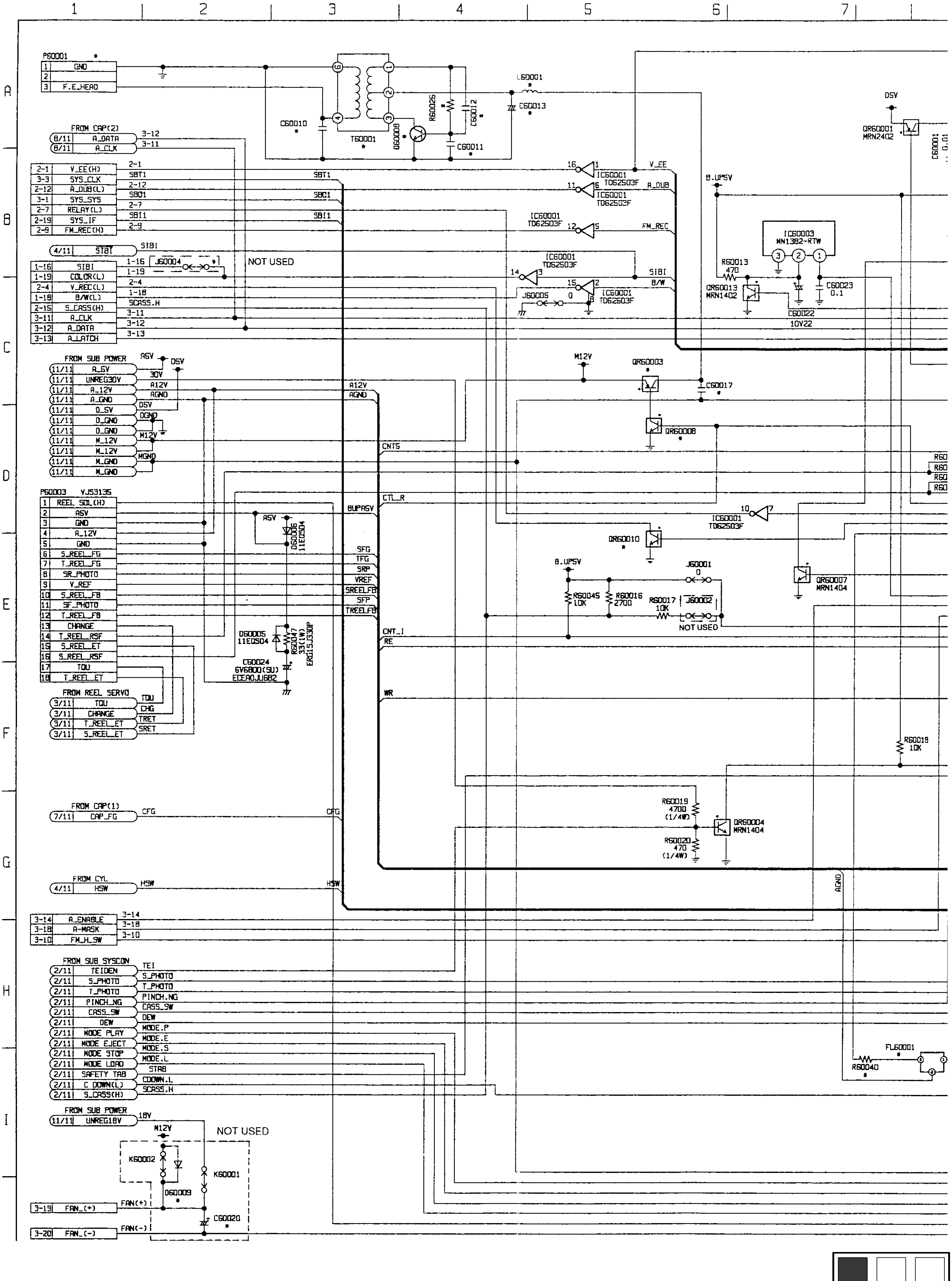
IC60503
MN1382-RTW

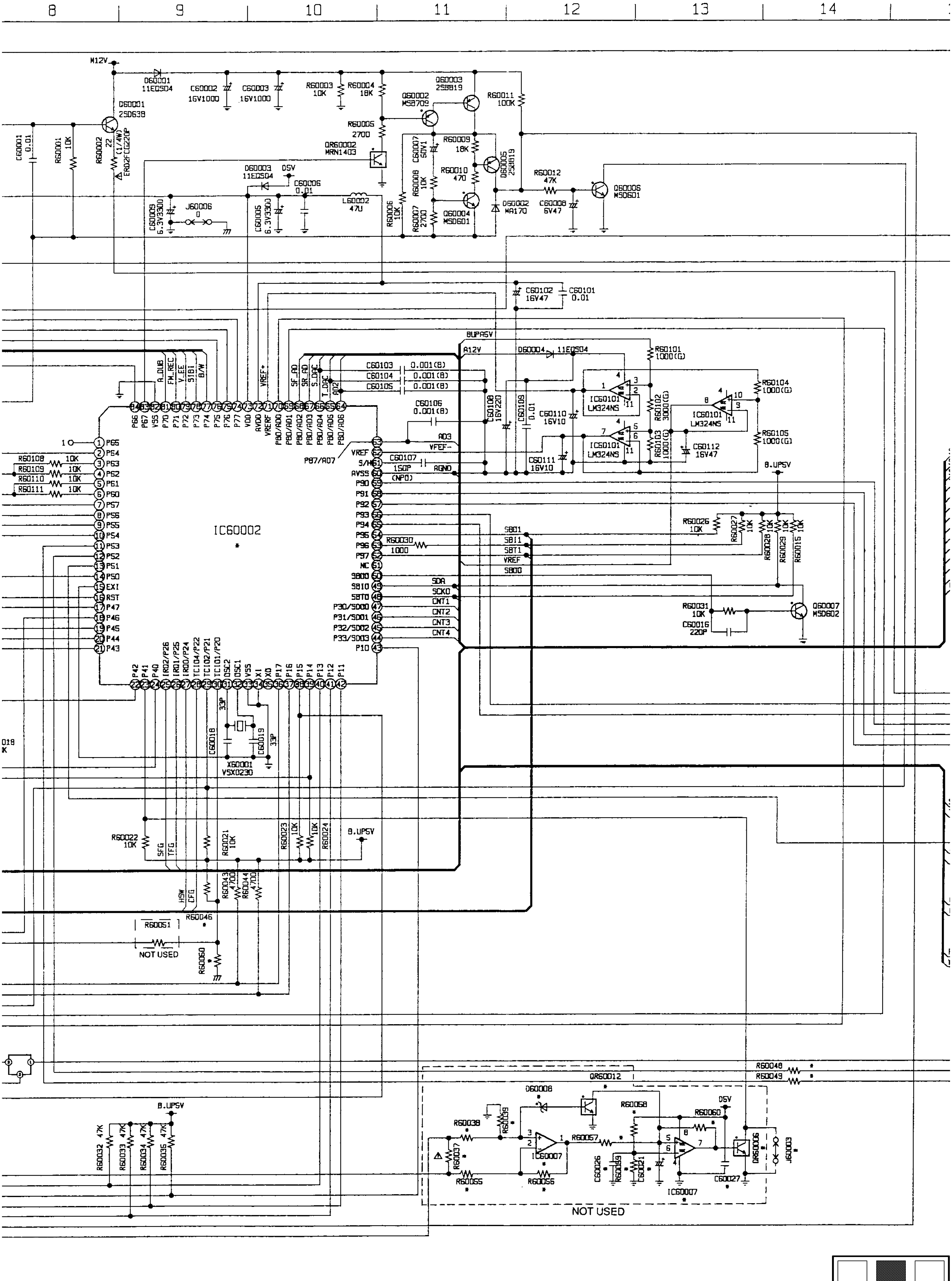

V 1
OUTPUT CIRCUIT
POWER VOLTAGE DET
V 2
③
②
①

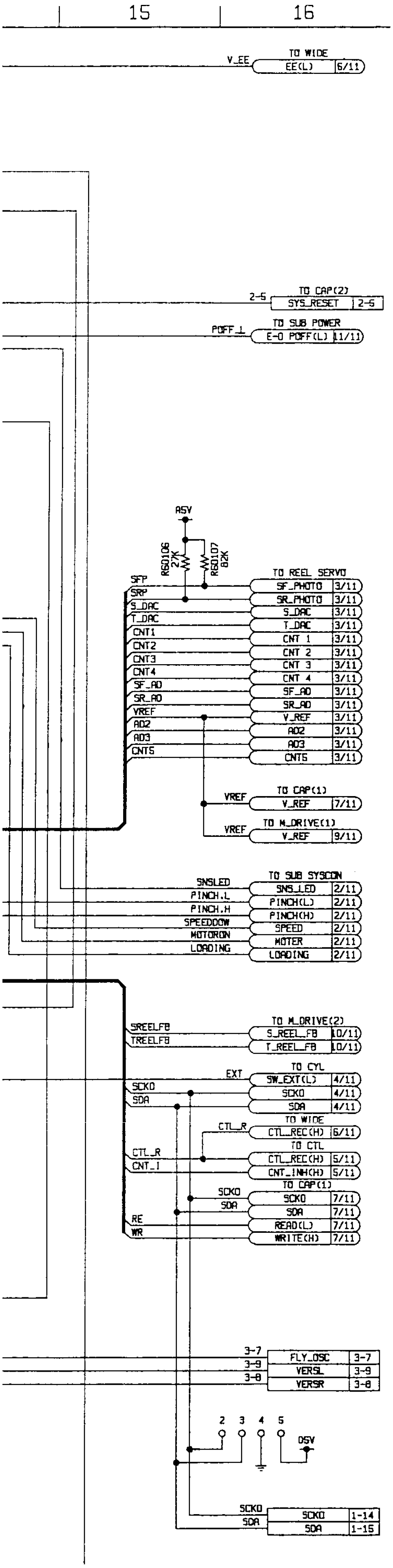
IC60502
M54649L


METER DETECT
MUTE CONTROL
AMP
COMP
AMP
AMP
COMP
AMP
MUTE
OUT1
DET1
IN1
GND
IN2
DET2
OUT2
VCC
①
②
③
④
⑤
⑥
⑦
⑧
⑨

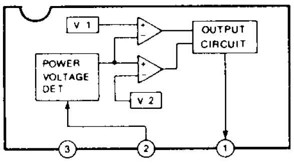
SYSTEM CONTROL SCHEMATIC DIAGRAM 1/11 (E3: Page CBA-5)

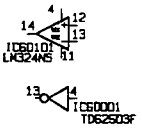

1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
I
P60001
1 GND
2
3 F.E_HEAD
FROM CAP(2)
8/11 A_DATA 3-12
8/11 A_CLK 3-11
2-1 V_EE(H) 2-1
3-3 SYS_CLK SBT1
2-12 A_DUB(L) 2-12
3-1 SYS_SYS SBO1
2-7 RELAY(L) 2-7
2-19 SYS_IF SBI1
2-9 FM_REC(H) 2-9
4/11 SIBI SIBI
1-16 SIBI 1-16
1-19 COLOR(L) 1-19
2-4 V_REC(L) 2-4
1-18 B/W(L) 1-18
2-15 S_CASS(H) SCASS.H
3-11 A_CLK 3-11
3-12 A_DATA 3-12
3-13 A_LATCH 3-13
J60004
NOT USED
SBT1
SBO1
SBI1
C60010
T60001
Q60008
R60025
C60012
C60011
L60001
C60013
IC60001 TD62503F
V_EE
A_DUB
FM_REC
SIBI
B/W
J60005
0
B.UP5V
IC60003 MN1382-RTW
R60013 470
QR60013 MRN1402
C60022 10V22
C60023 0.1
D5V
QR60001 MRN2402
C60001 0.01
FROM SUB POWER
11/11 A_5V A5V
11/11 UNREG30V 30V
11/11 A_12V A12V
11/11 A_GND AGND
11/11 D_5V D5V
11/11 D_GND DGND
11/11 D_GND
11/11 M_12V M12V
11/11 M_12V
11/11 M_GND MGND
11/11 M_GND
A12V
AGND
M12V
QR60003
C60017
QR60008
CNTS
P60003 VJ53135
1 REEL SOL(H)
2 A5V
3 GND
4 A_12V
5 GND
6 S_REEL_FG
7 T_REEL_FG
8 SR_PHOTO
9 V_REF
10 S_REEL_FB
11 SF_PHOTO
12 T_REEL_FB
13 CHANGE
14 T_REEL_RSF
15 S_REEL_ET
16 S_REEL_RSF
17 TOU
18 T_REEL_ET
A5V
D60006 11EQS04
D60005 11EQS04
R60047 33(1W) ERG1SJ330P
C60024 6V6800(SU) ECEA0JU682
BUPA5V
CTL_R
SFG
TFG
SRP
VREF
SREELFB
SFP
TREELFB
CNT_I
RE
WR
IC60001 TD62503F
QR60010
B.UP5V
J60001 0
R60045 10K
R60016 2700
R60017 10K
J60002
NOT USED
QR60007 MRN1404
FROM REEL SERVO
3/11 TOU TOU
3/11 CHANGE CHG
3/11 T_REEL_ET TRET
3/11 S_REEL_ET SRET
R60018 10K
FROM CAP(1)
7/11 CAP_FG CFG
CFG
R60019 4700 (1/4W)
R60020 470 (1/4W)
QR60004 MRN1404
FROM CYL
4/11 HSW HSW
HSW
AGND
3-14 A_ENABLE 3-14
3-18 A-MASK 3-18
3-10 FM_H_SW 3-10
FROM SUB SYSCON
2/11 TEIDEN TEI
2/11 S_PHOTO S_PHOTO
2/11 T_PHOTO T_PHOTO
2/11 PINCH_NG PINCH.NG
2/11 CASS_SW CASS_SW
2/11 DEW DEW
2/11 MODE PLAY MODE.P
2/11 MODE EJECT MODE.E
2/11 MODE STOP MODE.S
2/11 MODE LOAD MODE.L
2/11 SAFETY TAB STAB
2/11 C DOWN(L) CDOWN.L
2/11 S_CASS(H) SCASS.H
FL60001
R60040
FROM SUB POWER
11/11 UNREG18V 18V
M12V
NOT USED
K60002
K60001
D60009
C60020
3-19 FAN_(+) FAN(+)
3-20 FAN_(-) FAN(-)


8
9
10
11
12
13
14
M12V
D60001 11EQS04
C60002 16V1000
C60003 16V1000
R60003 10K
R60004 18K
Q60003 2SB819
Q60001 2SD638
Q60002 MSB709
R60011 100K
C60001 0.01
R60001 10K
R60002 22 (1/4W) ERD2FCG220P
R60005 2700
QR60002 MRN1403
C60007 50V1
R60009 18K
R60010 470
D60005 2SB819
R60012 47K
Q60006 MSD601
D60003 11EQS04
D5V
C60006 0.01
L60002 47U
R60008 10K
R60006 10K
R60007 2700
Q60004 MSD601
D50002 MA170
C60008 6V47
C60009 6.3V330U
J60006 0
C60005 6.3V330U
C60102 16V47
C60101 0.01
8UPA5V
A12V
D60004 11EQS04
R60101 1000(G)
C60103 0.001(B)
C60104 0.001(B)
C60105 0.001(B)
C60106 0.001(B)
C60108 16V220
C60109 0.01
C60110 16V10
IC60101 LM324NS
R60102 3000(G)
R60103 1000(G)
R60104 1000(G)
R60105 1000(G)
C60111 16V10
C60112 16V47
8.UPSV
A_DUB
FM_REC
V_EE
SIBI
B/W
VREF+
SF_AD
SR_AD
S_DAC
T_DAC
AD2
AD3
VFEF-
C60107 150P
AGND
(NPO)
IC60002
R60108 10K
R60109 10K
R60110 10K
R60111 10K
R60030 1000
R60026 10K
R60027 10K
R60028 10K
R60029 10K
R60015 10K
SB01
SBI1
SBT1
VREF
SB00
SDA
SCK0
CNT1
CNT2
CNT3
CNT4
R60031 10K
C60016 220P
Q60007 MSD602
X60001 VSX0230
C60018 33P
C60019 33P
R60022 10K
SFG
TFG
R60021 10K
R60023 10K
R60024 10K
HSW
CFG
R60043 4700
R60044 4700
R60046
R60051 NOT USED
R60050
B.UPSV
R60032 47K
R60033 47K
R60034 47K
R60035 47K
R60048
R60049
QR60012
D60008
R60058
R60060
R60038
R60039
R60037
R60055
R60056
R60057
IC60007
C60026
R60059
C60021
C60027
QR60006
J60003
NOT USED


15
16
V_EE
TO WIDE
EE(L) 6/11
2-5
TO CAP(2)
SYS_RESET 2-5
POFF_L
TO SUB POWER
E-O POFF(L) 11/11
A5V
R60106
27K
R60107
82K
TO REEL SERVO
SFP
SRP
S_DAC
T_DAC
CNT1
CNT2
CNT3
CNT4
SF_AD
SR_AD
VREF
AD2
AD3
CNT5
SF_PHOTO 3/11
SR_PHOTO 3/11
S_DAC 3/11
T_DAC 3/11
CNT 1 3/11
CNT 2 3/11
CNT 3 3/11
CNT 4 3/11
SF_AD 3/11
SR_AD 3/11
V_REF 3/11
AD2 3/11
AD3 3/11
CNT5 3/11
VREF
TO CAP(1)
V_REF 7/11
VREF
TO M_DRIVE(1)
V_REF 9/11
TO SUB SYSCON
SNSLED
PINCH.L
PINCH.H
SPEEDDOW
MOTORON
LOADING
SNS_LED 2/11
PINCH(L) 2/11
PINCH(H) 2/11
SPEED 2/11
MOTER 2/11
LOADING 2/11
TO M_DRIVE(2)
SREELFB
TREELFB
S_REEL_FB 10/11
T_REEL_FB 10/11
TO CYL
EXT
SCKO
SDA
SW_EXT(L) 4/11
SCKO 4/11
SDA 4/11
TO WIDE
CTL_R
CTL_REC(H) 6/11
TO CTL
CTL_R
CNT_I
CTL_REC(H) 5/11
CNT_INH(H) 5/11
TO CAP(1)
SCKO
SDA
RE
WR
SCKO 7/11
SDA 7/11
READ(L) 7/11
WRITE(H) 7/11
3-7
3-9
3-8
FLY_OSC 3-7
VERSL 3-9
VERSR 3-8
2
3
4
5
D5V
SCKO
SDA
SCKO 1-14
SDA 1-15

IC60003
MN1382-RTW


V 1
V 2
POWER
VOLTAGE
DET
OUTPUT
CIRCUIT
③
②
①


4
14
12
13
11
IC60101
LM324NS
13
4
IC60001
TD62503F

=INPUT SIGNAL

=OUTPUT SIGNAL

*=REFER TO THE COMPARISON CHART

Ref No.60000 Series.

SYSTEM CONTROL DC VOLTAGE CHART

REF. NO.	IC60001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0	0	0	0	0	0	0	0	11.5	4.6	0	0	5.0	4.5	5.0				
REC	0	0	0	0	0	0	4.6	0	0	0	4.6	0	0	5.0	4.5	5.0				
F.F	0	0	0	0	0	0	0	0	0	11.5	4.6	0	0	5.0	4.5	5.0				
REF. NO.	IC60002																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	4.8	0	0	0	0	0	0	0	0	0	0	4.9	0	0	4.9	0	4.7	4.9	0
REC	0	4.8	0	0	0	0	4.8	4.7	4.8	0	3.2	3.2	4.9	0	0	4.9	0	4.7	4.9	0
F.F	0	0	0	0	0	0	0	0	0	0	0	0	4.9	0	0	4.9	0	4.8	4.9	0
REF. NO.	IC60002																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	4.5	0	0	0.1	4.7	0.1	2.5	0	4.9	0	2.2	–	0	0	4.8	4.9	4.9	0	0	0
REC	4.5	0	0	0	2.4	2.3	2.6	2.5	4.9	0	2.4	–	0	0	4.8	4.9	4.9	0	0	0
F.F	4.6	0	0	0.1	2.1	2.2	2.6	5.2	4.9	0	2.4	–	0	0	4.9	4.9	4.9	0	0	4.9
REF. NO.	IC60002																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0	4.6	0.2	0	4.7	4.5	4.9	4.8	4.8	0	0	0	0
REC	4.8	4.8	4.8	4.8	0	4.8	0	5.0	4.6	0.2	0.2	4.8	4.5	4.9	4.8	0	0	0	0	0
F.F	4.9	0	4.9	4.9	4.9	4.9	4.9	5.0	4.7	0.2	0.6	4.8	4.5	4.9	0	4.9	0	0	0	0
REF. NO.	IC60002																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	1.1	0.9	1.3	2.3	2.3	2.5	4.6	4.7	2.6	0.6	3.8	4.8	4.8	4.7	0.1	4.2	0	0	0	0
REC	1.1	0.9	1.0	2.3	2.3	2.5	4.6	2.4	2.6	0.6	3.8	4.9	4.9	4.8	0.1	4.3	0	0	0	0
F.F	0.7	0.9	1.0	3.7	2.7	2.3	0.6	0.5	2.6	0.6	3.8	4.9	4.9	4.9	0.1	4.3	0	0	0	0
REF. NO.	IC60002																			
MODE	81	82	83	84																
STOP	0	0	0	4.5																
REC	0	0	0	4.5																
F.F	0	0	0	4.6																
REF. NO.	IC60003																			
MODE	V	G	O																	
STOP	4.9	0	4.9																	
REC	4.8	0	4.8																	
F.F	4.9	0	4.9																	
REF. NO.	IC60101																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	3.8	3.8	3.8	11.5	1.0	1.0	1.0	2.4	2.4	2.4	0	0.1	0.1	10.3						
REC	3.8	3.8	3.8	11.5	1.0	1.0	1.0	2.4	2.4	2.4	0	0.1	0.1	0.3						
F.F	3.8	3.8	3.8	11.5	1.0	1.0	1.0	2.4	2.4	2.4	0	0.1	0.1	0.3						
REF. NO.	Q60001			Q60002			Q60003			Q60004			Q60005			Q60006				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	0.5	12.6	0.4	11.7	0	12.2	12.4	0	11.9	0	0	0	0	0.1	0	0	4.9	0.1		
REC	0.5	12.6	0.4	11.7	0	12.2	12.4	0	11.9	0	0	0	0	0	0	0	4.9	0		
F.F.	0.5	12.6	0.4	11.7	0	12.2	12.4	0	11.9	0	0	0	0	0	0	0	4.9	0		
REF. NO.	Q60007			Q60008																
MODE	E	C	B	E	C	B														
STOP	0	4.6	0.1	0	0.1	0.1														
REC	0	4.6	0.1	0	11.9	−0.7														
F.F.	0	4.6	0.2	0	0.2	0.2														
REF. NO.	QR60001			QR60002			QR60003			QR60004			QR60007			QR60008				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	5.2	0.4	4.5	0	12.2	0	12.5	0.2	12.6	0	0.1	2.9	0	5.3	0	0	13.0	0		
REC	5.1	0.4	4.5	0	12.2	0	12.5	12.4	0.1	0	0.1	0	0	5.3	0	0	0.1	4.8		
F.F.	5.2	0	4.9	0	12.2	0	12.5	0.3	12.5	0	0.1	2.9	0	5.3	0	0	13.0	0		
REF. NO.	QR60010			QR60013																
MODE	E	C	B	E	C	B														
STOP	0	3.7	0	0	4.8	0														
REC	0	0.1	4.9	0	4.8	0														
F.F.	0	3.7	0	0	4.9	0														

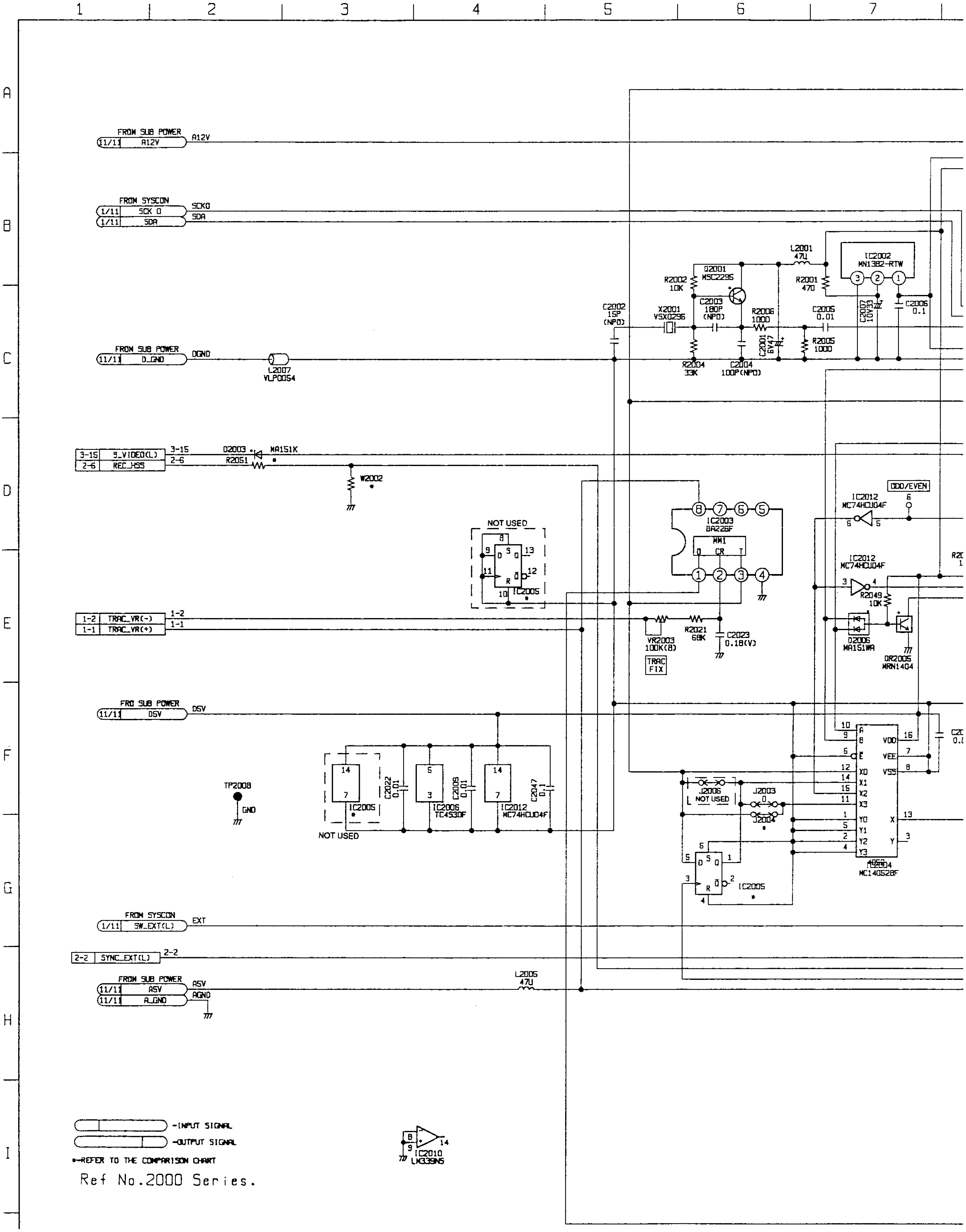
	AG-8700 AG-8600
C60020	———
C60021	———
C60026	———
C60027	———
D60008	———
D60009	———
IC60007	———
QR60006	———
QR60012	———
R60037	———
R60038	———
R60039	———

	AG-8700 AG-8600
R60055	———
R60056	———
R60057	———
R60058	———
R60059	———
R60060	———
IC60002	MN188166VCTL
J6003	0
J6004	———
R60046	———
R60050	0

	AG-8700	AG-8600
C60010	0.033(B)	———
C60011	0.0047(B)(J)	———
C60012	0.01(B)(J)	———
C60013	16V10	———
C60017	0.01	———
FL60001	VLF0630	———
L60001	470U	———
P60001	VJP1230T	———
Q60008	2SD636	———
QR60003	MRN2402	———
QR60008	MRN1404	———
QR60010	MRN1404	———

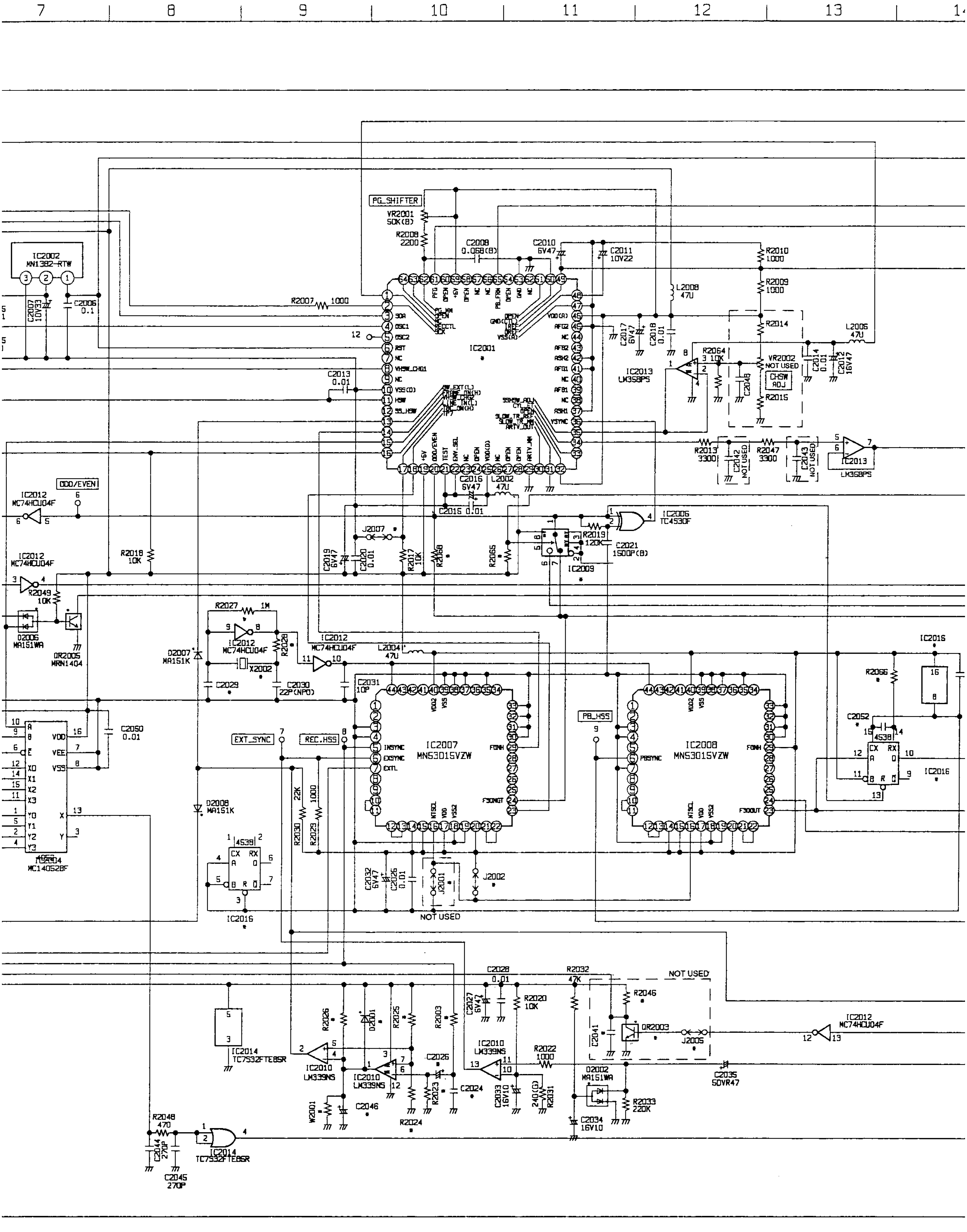
	AG-8700	AG-8600
R60025	33K(1/4W)	———
R60040	100	———
R60048	100	———
R60049	100	———
T60001	EIQ7QF002B	———

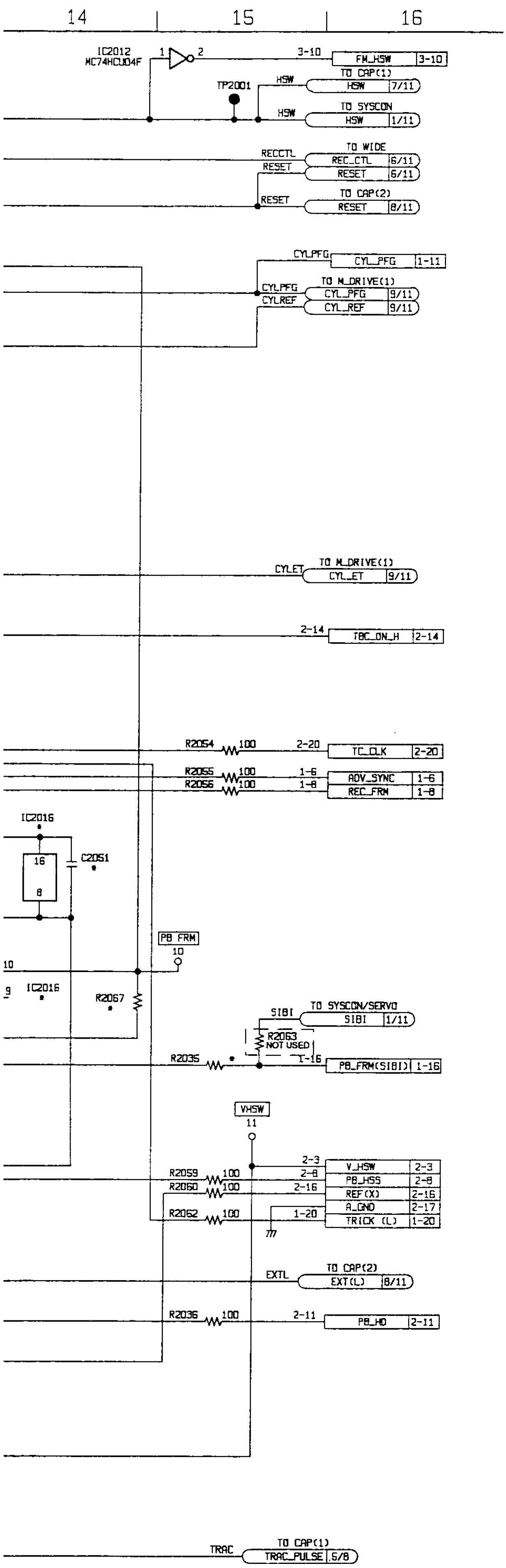
CYL SERVO SCHEMATIC DIAGRAM 4/11 (E3: Page CBA-5)


1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
I
FROM SUB POWER
11/11 A12V
A12V
FROM SYSCON
1/11 SCK O
1/11 SDA
SCKO
SDA
L2001
47U
IC2002
MN1382-RTW
Q2001
MSC2295
R2002
10K
R2001
470
C2002
15P
(NPO)
X2001
VSX0296
C2003
180P
(NPO)
R2006
1000
C2005
0.01
C2007
10V33
C2006
0.1
FROM SUB POWER
11/11 D_GND
DGND
L2007
VLP0054
R2004
33K
C2004
100P(NPO)
C2001
6V47
R2005
1000
3-15 S_VIDEO(L)
2-6 REC_HSS
3-15
2-6
D2003
MA151K
R2051
W2002
ODD/EVEN
IC2012
MC74HCU04F
IC2003
BA226F
MM1
Q CR T
NOT USED
IC2005
1-2 TRAC_VR(-)
1-1 TRAC_VR(+)
1-2
1-1
VR2003
100K(B)
R2021
68K
C2023
0.18(V)
TRAC FIX
R2049
10K
D2006
MA151WA
QR2005
MRN1404
FRO SUB POWER
11/11 D5V
D5V
C2022
0.01
IC2006
TC4530F
C2009
0.01
C2047
0.1
TP2008
GND
NOT USED
J2006
NOT USED
J2003
J2004
IC2004
MC14052BF
A B INH X0 X1 X2 X3 Y0 Y1 Y2 Y3 VDD VEE VSS X Y
FROM SYSCON
1/11 SW_EXT(L)
EXT
2-2 SYNC_EXT(L)
2-2
FROM SUB POWER
11/11 A5V
11/11 A_GND
A5V
AGND
L2005
47U
IC2010
LM339NS

-INPUT SIGNAL
-OUTPUT SIGNAL
*-REFER TO THE COMPARISON CHART

Ref No.2000 Series.


7
8
9
10
11
12
13
PG_SHIFTER
VR2001 50K(B)
R2008 2200
C2008 0.068(B)
C2010 6V47
C2011 10V22
R2010 1000
R2009 1000
IC2002 MN1382-RTW
C2007 10V33
C2006 0.1
R2007 1000
IC2001
SDA
OSC1
OSC2
RST
NC
VHSW_CHG1
VSS(D)
HSW
SS_HSW
PFG
OPEN
+5V
PB_FRM
GND
VDD(A)
AFG2
AFB2
RSH2
AFG1
AFB1
RSH1
VSYNC
L2008 47U
C2017 6V47
C2018 0.01
R2014
R2064 3 10K
VR2002 NOT USED
CHSW ADJ
C2048
R2015
L2006 47U
C2014 0.01
C2012 16V47
IC2013 LM358PS
C2013 0.01
R2013 3300
C2042 NOT USED
R2047 3300
C2043 NOT USED
IC2013 LM358PS
ODD/EVEN
IC2012 MC74HCU04F
ODD/EVEN
TEST
C2016 6V47
L2002 47U
C2015 0.01
IC2006 TC4530F
J2007
R2019 120K
C2021 1500P(B)
C2019 6V47
C2020 0.01
R2017 10K
R2068
R2065
IC2009
R2018 10K
R2049 10K
D2006 MA151WA
QR2005 MRN1404
R2027 1M
IC2012 MC74HCU04F
R2028
X2002
D2007 MA151K
C2029
C2030 22P(NPO)
IC2012 MC74HCU04F
L2004 47U
C2031 10P
IC2007 MN53015VZW
INSYNC
EXSYNC
EXTL
FONH
F30NGT
NTSCL
VDD2
VSS
IC2008 MN53015VZW
PBSYNC
F300UT
IC2016
R2066
C2052
4538
C2050 0.01
4052
IC2004 MC14052BF
VDD
VEE
VSS
EXT_SYNC
REC.HSS
PB_HSS
D2008 MA151K
R2030 22K
R2029 1000
C2032 6V47
C2026 0.01
J2001
J2002
NOT USED
IC2016
C2028 0.01
R2032 47K
NOT USED
R2026
D2001
R2025
R2003
C2027 6V47
R2020 10K
R2046
C2041
QR2003
J2005
IC2012 MC74HCU04F
IC2014 TC7S32FTE85R
IC2010 LM339NS
IC2010 LM339NS
C2026
IC2010 LM339NS
R2022 1000
C2035 50VR47
R2023
C2024
C2033 16V10
R2031 240(D)
D2002 MA151WA
R2033 220K
W2001
C2046
R2024
C2034 16V10
R2048 470
C2044 270P
C2045 270P
IC2014 TC7S32FTE85R


14
15
16
IC2012
MC74HCU04F
1
2
3-10
FM_HSW
3-10
TO CAP(1)
TP2001
HSW
HSW
7/11
TO SYSCON
HSW
HSW
1/11
TO WIDE
RECCTL
REC_CTL
6/11
RESET
RESET
6/11
TO CAP(2)
RESET
RESET
8/11
CYLPFG
CYL_PFG
1-11
TO M_DRIVE(1)
CYLPFG
CYL_PFG
9/11
CYLREF
CYL_REF
9/11
TO M_DRIVE(1)
CYLET
CYL_ET
9/11
2-14
TBC_ON_H
2-14
R2054
100
2-20
TC_CLK
2-20
R2055
100
1-6
ADV_SYNC
1-6
R2056
100
1-8
REC_FRM
1-8
IC2016
16
8
C2051
PB FRM
10
10
9
IC2016
R2067
SIBI
TO SYSCON/SERVO
SIBI
1/11
R2063
NOT USED
R2035
1-16
PB_FRM(SIBI)
1-16
VHSW
11
2-3
V_HSW
2-3
R2059
100
2-8
PB_HSS
2-8
R2060
100
2-16
REF(X)
2-16
A_GND
2-17
R2062
100
1-20
TRICK (L)
1-20
EXTL
TO CAP(2)
EXT(L)
8/11
R2036
100
2-11
PB_HD
2-11
TRAC
TO CAP(1)
TRAC_PULSE
5/8

CYL SERVO DC VOLTAGE CHART

REF. NO.									
MODE	1	2	3	4	5	6	7	8	9
STOP	0	5.0	4.6	2.5	2.5	5.1	0	0	0
REC	3.1	5.0	4.6	2.5	2.5	5.1	0	0	0
F.F	0	5.0	4.6	2.5	2.5	5.2	0	5.2	0
REF. NO.									
MODE	21	22	23	24	25	26	27	28	29
STOP	0	0	0	0	5.1	0	2.6	0	0
REC	0	0	0	0	5.1	0	2.6	0	0
F.F	0	0	0	0	5.2	0	2.6	0	0
REF. NO.									
MODE	41	42	43	44	45	46	47	48	49
STOP	0	0	5.1	0	0	5.1	0	2.5	2.5
REC	0	0	5.1	0	0	5.1	0	2.5	2.5
F.F	0	0	5.2	0	0	5.2	0	2.5	2.5
REF. NO.									
MODE	61	62	63	64					
STOP	1.1	3.1	5.1	0					
REC	1.1	3.1	5.1	0					
F.F	1.1	3.1	5.2	0					
REF. NO.	IC2002								
MODE	V	G	O						
STOP	5.1	0	5.1						
REC	5.1	0	5.1						
F.F.	5.2	0	5.2						
REF. NO.									
MODE	1	2	3	4	5	6	7	8	9
STOP	0	0	0	0	0	0	0	0	0
REC	0	0	0	0	0	0	0	0	0
F.F	0	0	0	0	0	0	0	0	5.2
REF. NO.									
MODE	1	2	3	4	5				
STOP	2.6	2.6	0	0	5.1				
REC	2.6	2.6	0	0	5.1				
F.F	2.6	2.6	0	0	5.2				
REF. NO.									
MODE	1	2	3	4	5	6	7	8	9
STOP	0	0	0	0	4.6	5.1	5.1	4.8	5.1
REC	0	0	0	0	4.5	5.1	5.1	4.7	5.1
F.F	0	0	0	0	4.5	5.2	5.1	4.7	5.2
REF. NO.									
MODE	21	22	23	24	25	26	27	28	29
STOP	0	0	2.6	2.6	0	0	0	0	5.1
REC	0	0	2.5	2.6	0	0	0	0	5.1
F.F	0	0	2.5	2.6	0	0	0	0	5.2
REF. NO.									
MODE	41	42	43	44					
STOP	5.1	5.1	0	2.5					
REC	5.1	5.1	0	2.5					
F.F	5.2	5.2	0	2.5					
REF. NO.									
MODE	1	2	3	4	5	6	7	8	9
STOP	0	0	0	0	1.7	4.6	0	4.7	5.1
REC	0	0	0	0	2.2	4.6	0	4.7	5.1
F.F	0	0	0	0	1.9	4.6	0	4.7	5.1
REF. NO.									
MODE	21	22	23	24	25	26	27	28	29
STOP	0	0	2.6	2.6	0	0	0	0	5.1
REC	0	0	2.6	2.6	0	0	0	0	5.1
F.F	0	0	2.6	2.6	0	0	0	0	5.2
REF. NO.									
MODE	41	42	43	44					
STOP	5.1	5.1	0	2.5					
REC	5.1	5.1	0	2.5					
F.F	5.2	5.2	0	2.5					
REF. NO.									
MODE	1	2	3	4	5	6	7	8	9
STOP	0.5	5.1	5.0	0.5	2.5	0.2	2.5	0	0
REC	0.5	5.0	5.0	0.5	2.5	0.2	2.5	0	0
F.F	0.5	5.1	5.0	0.5	2.5	0.2	2.5	0	0
REF. NO.									
MODE	1	2	3	4	5	6	7	8	9
STOP	2.5	2.6	2.6	2.6	2.6	2.6	0	2.4	2.3
REC	2.5	2.6	2.6	2.6	2.6	2.6	0	2.4	2.3
F.F	2.6	2.6	2.6	2.6	2.6	2.6	0	2.4	2.3

IC2001											
9	10	11	12	13	14	15	16	17	18	19	20
0	0	2.5	2.6	5.1	5.1	0	3.7	0	2.5	5.1	2.6
0	0	2.6	0	5.1	5.1	0	3.7	0	2.5	5.1	2.6
0	0	2.6	2.6	5.1	5.2	0	3.7	0	2.5	5.2	2.6

IC2001											
9	30	31	32	33	34	35	36	37	38	39	40
0	0	0	5.1	0.5	2.4	0	0	0	0	5.1	0
0	0	0	5.1	0.5	2.4	0	0	0	0	5.1	0
0	0	0	5.2	0.5	2.4	0	0	0	0	5.2	0

IC2001											
9	50	51	52	53	54	55	56	57	58	59	60
.5	0	0	0	0	0	5.0	0	0	1.9	5.1	0
.5	0	3.1	0	0	0	4.9	0	0	1.9	5.1	0
.5	0	0	0	0	0	4.9	0	0	1.9	5.2	0

IC2001											

		IC2003									
		1	2	3	4	5	6	7	8		
		1.9	0.5	2.5	0	0	0	0	5.0		
		1.9	0.5	2.5	0	0	0	0	5.0		
		1.9	0.5	2.6	0	0	0	0	5.0		

IC2004											
9	10	11	12	13	14	15	16				
0	0	2.6	2.6	2.5	2.6	2.6	5.1				
0	0	2.6	2.6	2.6	2.6	2.6	5.1				
.2	0	2.6	2.6	2.6	2.6	2.6	5.2				

IC2006											

IC2007											
9	10	11	12	13	14	15	16	17	18	19	20
.1	0	0	0	0	5.1	5.1	5.1	5.1	0	0	5.1
.1	0	0	0	0	5.1	5.1	5.1	5.1	0	0	5.1
.2	0	0	0	0	5.2	5.2	5.1	5.2	0	0	5.2

IC2007											
9	30	31	32	33	34	35	36	37	38	39	40
.1	0	0	0	0	0	0	0	0	0	0	5.1
.1	0	0	0	0	0	0	0	0	0	0	5.1
.2	0	0	0	0	5.2	0	0	0	0	0	5.2

IC2007											

IC2008											
9	10	11	12	13	14	15	16	17	18	19	20
.1	0	0	0	0	5.1	5.1	5.1	5.1	0	0	5.1
.1	0	0	0	0	5.1	5.1	5.1	5.1	0	0	5.1
.1	0	0	0	0	5.2	5.2	5.1	5.2	0	0	5.2

IC2008											
9	30	31	32	33	34	35	36	37	38	39	40
.1	0	0	0	0	5.1	0	0	0	0	0	5.1
.1	0	0	0	0	5.1	0	0	0	0	0	5.1
.2	0	0	0	0	5.2	0	0	0	0	0	5.2

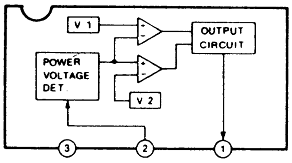
IC2008											

IC2010											
9	10	11	12	13	14						
0	0.1	0.3	0	5.1	0						
0	0.1	0.4	0	5.1	0						
0	0.1	0.2	0	5.2	0						

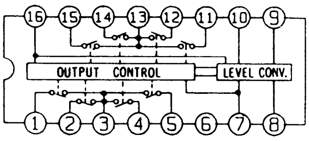
IC2012											
9	10	11	12	13	14						
.3	2.5	2.4	5.1	0	5.1						
.3	2.5	2.4	5.1	0	5.1						
.3	2.5	2.4	4.9	0	5.2						

REF. NO.	IC2013									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	0	2.4	2.4	2.4	11.7		
REC	0	0	0	0	2.4	2.4	2.4	11.7		
F.F.	0	0	0	0	2.4	2.4	2.4	11.7		
REF. NO.	IC2014									
MODE	1	2	3	4	5					
STOP	2.6	2.6	0	2.5	5.0					
REC	2.6	2.6	0	2.5	5.0					
F.F.	2.6	2.6	0	2.5	5.0					
REF. NO.	Q2001									
MODE	E	C	B							
STOP	3.2	5.1	–							
REC	3.2	5.1	–							
F.F.	3.2	5.1	–							
REF. NO.	QR2005									
MODE	E	C	B							
STOP	0	3.5	0.6							
REC	0	3.5	0.6							
F.F.	0	3.5	0.6							

IC2002
MN1382-RTW



IC2004
MC14052BF

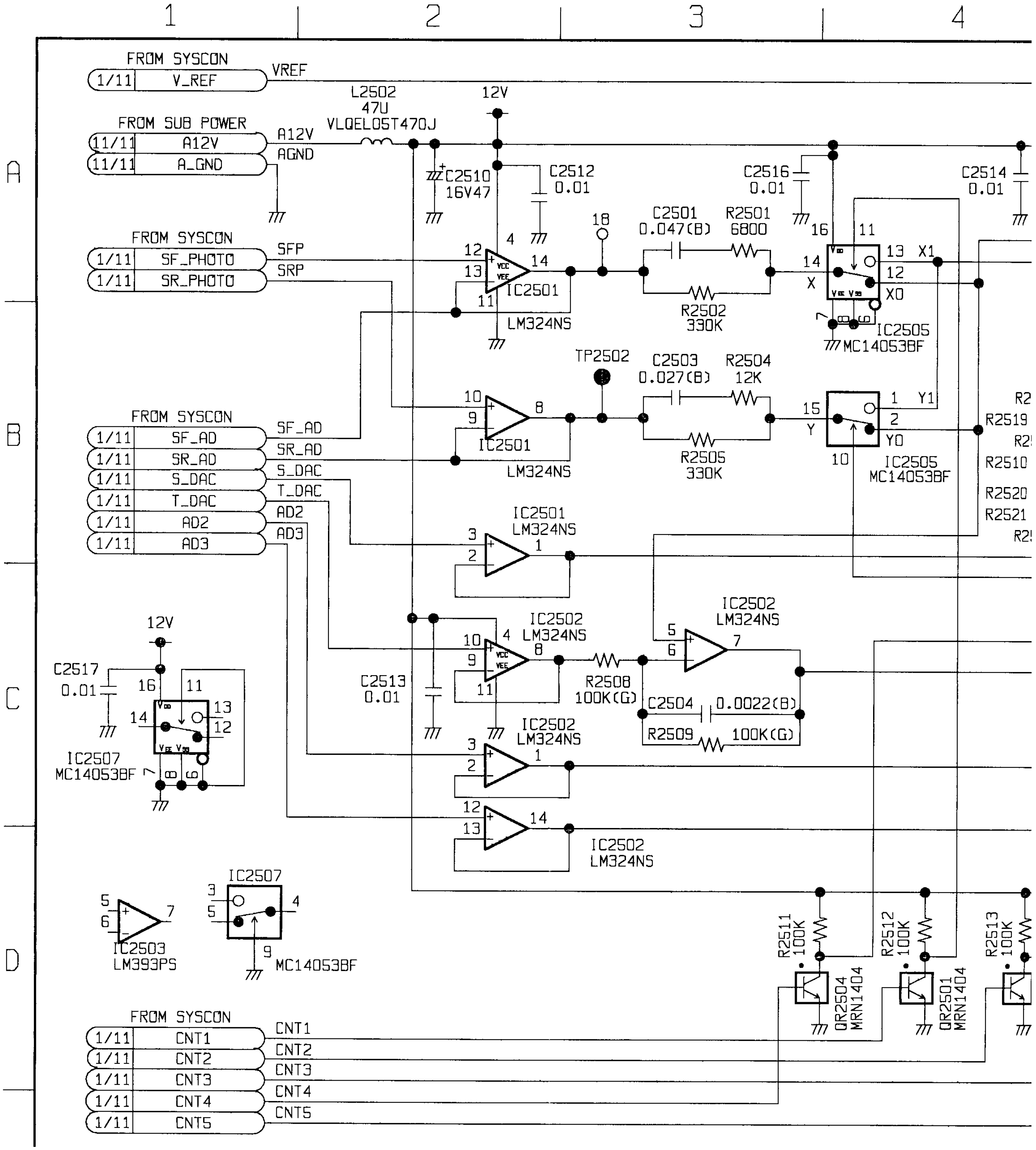


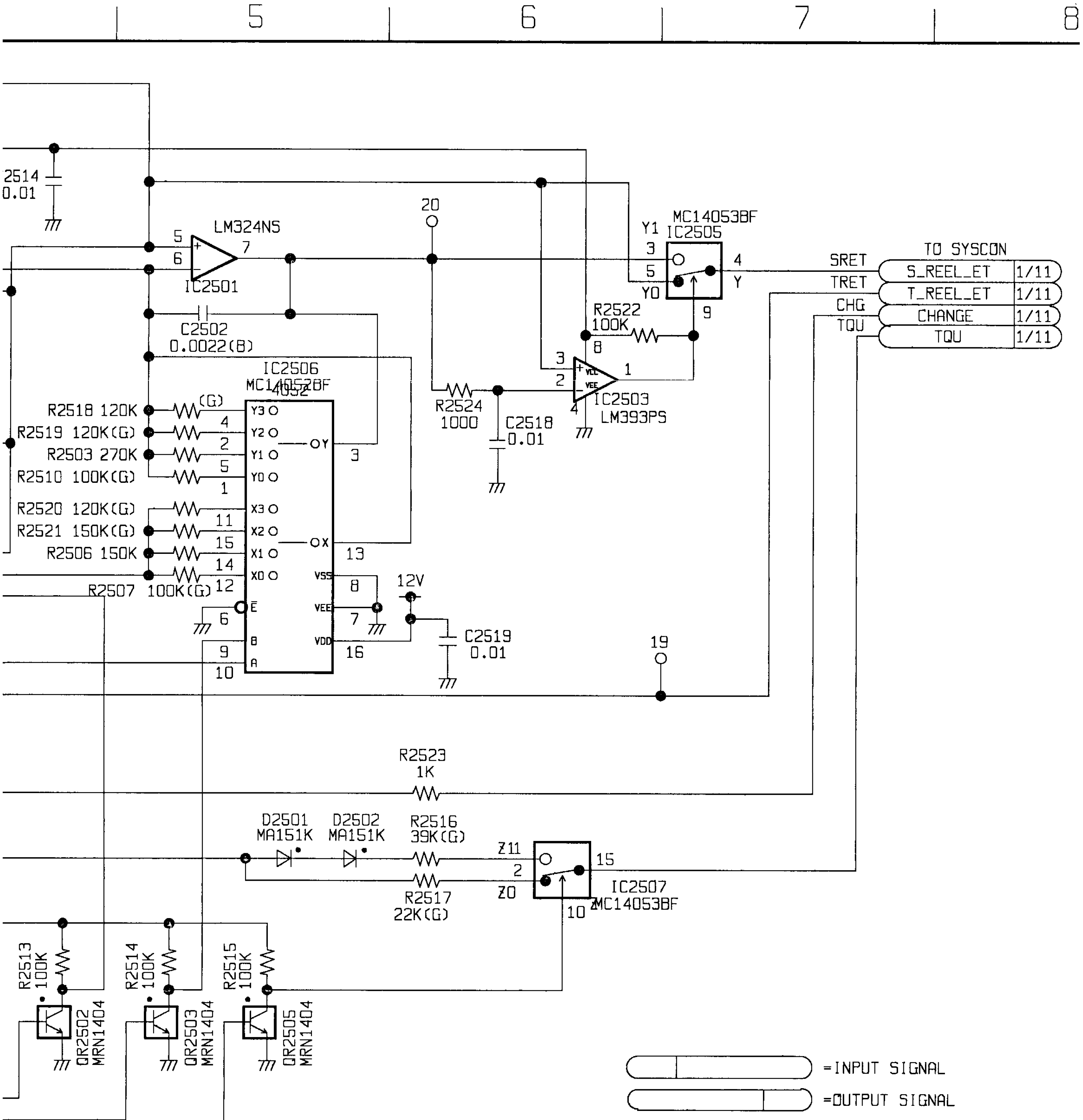
	AG-8700	AG-8600
C2024	1000P	—
C2026	50V1	50V1
C2029	33P(NP0)	33P(NP0)
C2041	—	—
C2046	50VR47	50VR47
C2051	—	—
C2052	—	—
D2001	MA151K	—
IC2001	MN6742VMEP	MN6742VMEP
IC2005	—	—
J2001	—	—
J2002	0	0

	AG-8700	AG-8600
J2004	0	0
J2005	—	—
IC2009	TC4W53F	—
IC2016	—	—
DR2003	—	—
R2003	33K	—
R2023	220K	—
R2024	10K	—
R2025	10K	—
R2026	180K	—
R2028	5600	5600
R2035	100	100

	AG-8700	AG-8600
R2046	—	—
R2051	100	—
R2065	—	—
R2066	0	—
R2057	0	0
R2068	—	0
W2001	—	0
W2002	—	0
X2002	VSX0066-D	VSX0066-D
J2007	—	0

REEL SERVO SCHEMATIC DIAGRAM 3/11 (E3: Page CBA-5)


1
2
3
4
A
B
C
D
FROM SYSCON
1/11 V_REF
VREF
FROM SUB POWER
11/11 A12V
11/11 A_GND
A12V
AGND
L2502
47U
VLQEL05T470J
12V
C2510
16V47
C2512
0.01
C2516
0.01
C2514
0.01
FROM SYSCON
1/11 SF_PHOTO
1/11 SR_PHOTO
SFP
SRP
IC2501
LM324NS
18
C2501
0.047(B)
R2501
6800
R2502
330K
X1
X0
X
Y1
Y0
Y
IC2505
MC14053BF
TP2502
C2503
0.027(B)
R2504
12K
R2505
330K
FROM SYSCON
1/11 SF_AD
1/11 SR_AD
1/11 S_DAC
1/11 T_DAC
1/11 AD2
1/11 AD3
SF_AD
SR_AD
S_DAC
T_DAC
AD2
AD3
R2519
R2510
R2520
R2521
IC2502
LM324NS
C2513
0.01
R2508
100K(G)
C2504
0.0022(B)
R2509
100K(G)
C2517
0.01
IC2507
MC14053BF
IC2503
LM393PS
R2511
100K
R2512
100K
R2513
100K
QR2504
MRN1404
QR2501
MRN1404
FROM SYSCON
1/11 CNT1
1/11 CNT2
1/11 CNT3
1/11 CNT4
1/11 CNT5
CNT1
CNT2
CNT3
CNT4
CNT5


5
6
7
8
2514
0.01
LM324NS
IC2501
C2502
0.0022(B)
20
MC14053BF
IC2505
Y1
Y0
Y
TO SYSCON
SRET
TRET
CHG
TQU
S_REEL_ET
T_REEL_ET
CHANGE
TQU
1/11
R2522
100K
IC2503
LM393PS
R2524
1000
C2518
0.01
IC2506
MC14052BF
4052
R2518 120K
(G)
R2519 120K(G)
R2503 270K
R2510 100K(G)
R2520 120K(G)
R2521 150K(G)
R2506 150K
R2507 100K(G)
Y3
Y2
Y1
Y0
X3
X2
X1
X0
E
B
A
VSS
VEE
VDD
12V
C2519
0.01
19
R2523
1K
D2501
MA151K
D2502
MA151K
R2516
39K(G)
R2517
22K(G)
Z1
Z0
IC2507
MC14053BF
R2513
100K
R2514
100K
R2515
100K
QR2502
MRN1404
QR2503
MRN1404
QR2505
MRN1404
=INPUT SIGNAL
=OUTPUT SIGNAL

Ref No.2500 Series.

REEL SERVO DC VOLTAGE CHART

REF. NO.	IC2501									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	2.4	2.4	2.3	11.7	2.4	2.4	2.3	4.6	4.6	4.6
REC	2.5	2.5	2.5	11.7	2.4	2.4	2.2	4.6	4.6	4.6
F.F	2.4	2.4	2.3	11.7	2.4	2.4	2.3	0.6	0.6	0.6

REF. NO.	IC2501									
MODE	11	12	13	14						
STOP	0	4.7	4.7	4.7						
REC	0	2.4	2.4	2.4						
F.F	0	0.5	0.5	0.5						

REF. NO.	IC2502									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	1.0	1.0	1.0	11.7	2.4	2.4	2.4	2.4	2.4	2.4
REC	2.4	2.4	2.3	11.7	2.4	2.4	2.4	2.4	2.4	2.4
F.F	3.8	3.8	3.8	11.7	2.4	2.4	2.0	2.8	2.7	2.7

REF. NO.	IC2502									
MODE	11	12	13	14						
STOP	0	0.9	1.0	1.0						
REC	0	1.0	1.0	1.0						
F.F	0	0.9	1.0	1.0						

REF. NO.	IC2503									
MODE	1	2	3	4	5	6	7	8		
STOP	11.6	2.2	2.4	0	0.5	0.5	0	11.7		
REC	11.6	2.2	2.4	0	0.5	0.5	0	11.7		
F.F	11.6	2.3	2.4	0	1.5	1.5	0	11.7		

REF. NO.	IC2505									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	2.4	2.4	2.3	2.3	2.4	0	0	0	11.6	0
REC	2.4	2.4	2.2	2.2	2.4	0	0	0	11.6	0
F.F	2.4	2.4	2.3	2.3	2.4	0	0	0	11.6	0

REF. NO.	IC2505									
MODE	11	12	13	14	15	16				
STOP	0	2.4	2.4	2.4	2.4	11.7				
REC	11.6	2.4	2.4	2.4	2.4	11.7				
F.F	0	2.4	2.4	2.4	2.4	11.7				

REF. NO.	IC2506									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	2.3	2.1	2.1	2.3	2.3	0	0	0	11.6	0
REC	2.3	2.2	2.2	2.3	2.3	0	0	0	11.6	0
F.F	2.3	2.3	2.3	2.3	2.3	0	0	0	0	0

REF. NO.	IC2506									
MODE	11	12	13	14	15	16				
STOP	2.6	2.6	2.4	2.5	2.4	11.7				
REC	2.5	2.5	2.4	2.5	2.4	11.7				
F.F	2.3	2.4	2.4	2.3	2.3	11.7				

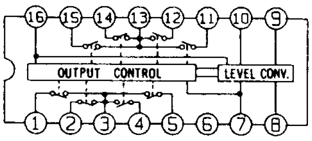
REF. NO.	IC2507									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	1.4	1.0	0.1	0.1	0.1	0	0	0	0	11.4
REC	0.8	0.1	0.1	0.1	0.1	0	0	0	0	0
F.F	0	1.2	0.1	0.1	0.1	0	0	0	0	11.6

REF. NO.	IC2507									
MODE	11	12	13	14	15	16				
STOP	0	0.1	0.1	0.1	0.1	11.7				
REC	0	0.1	0.1	0.1	0.1	11.7				
F.F	0	0.1	0.1	0.1	0.1	11.7				

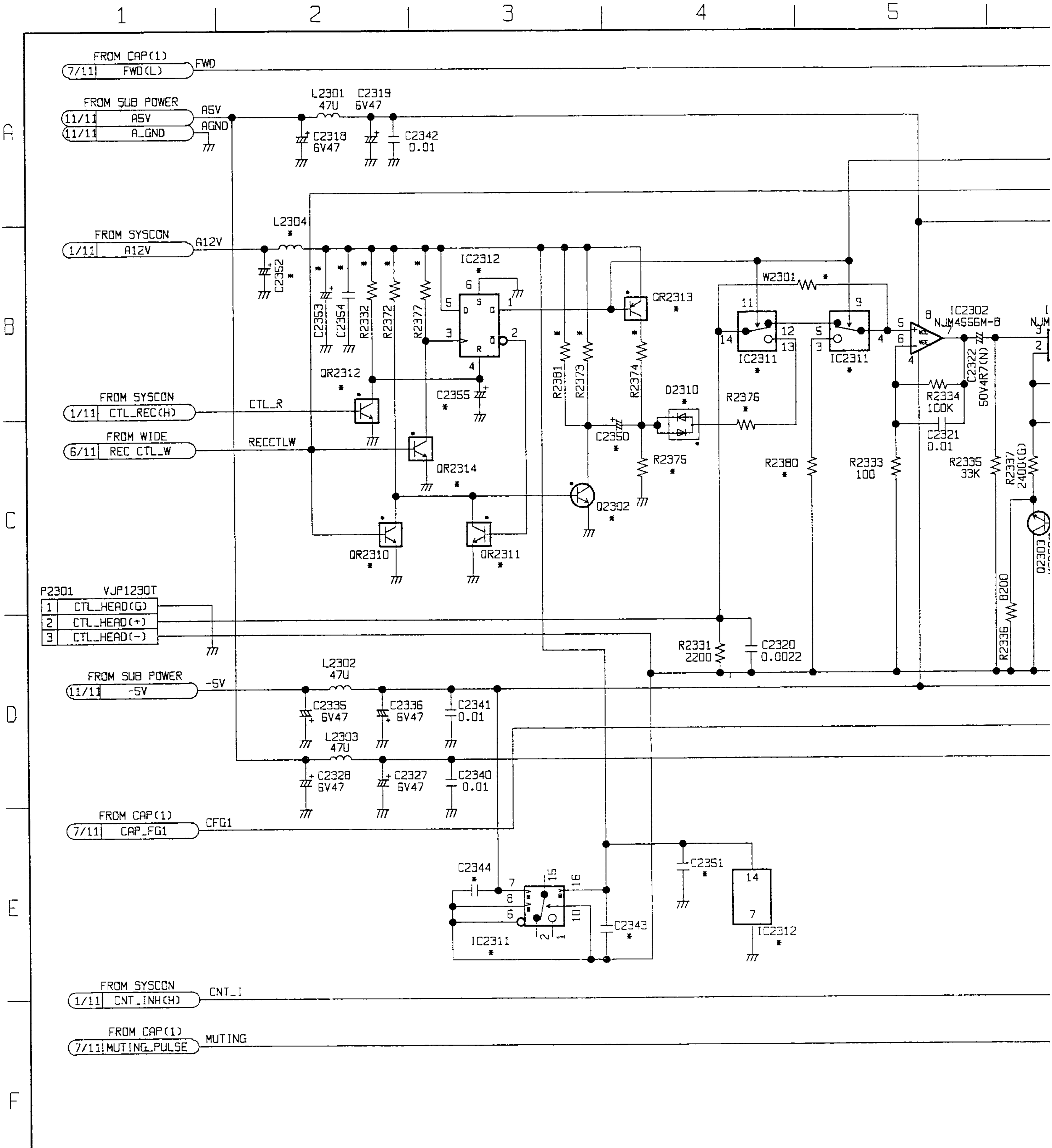
REF. NO.	QR2501			QR2502			QR2503			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0	4.9	0	0	4.9	0	0	4.9	
REC	0	11.6	0	0	0	4.9	0	11.6	0	
F.F.	0	0	4.9	0	0	4.9	0	0	4.9	

REF. NO.	QR2504			QR2505						
MODE	E	C	B	E	C	B				
STOP	0	0	4.9	0	11.4	0				
REC	0	0	4.9	0	0	4.9				
F.F.	0	0	4.9	0	11.6	0				

IC2506
MC14052BF



CTL AMP SCHEMATIC DIAGRAM 5/11 (E3: Page CBA-5)

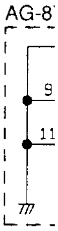

1
2
3
4
5
A
B
C
D
E
F
G
FROM CAP(1)
7/11 FWD(L)
FWD
FROM SUB POWER
11/11 A5V
11/11 A_GND
A5V
AGND
L2301 47U
C2319 6V47
C2318 6V47
C2342 0.01
FROM SYSCON
1/11 A12V
A12V
L2304
C2352
C2353
C2354
R2332
R2372
R2377
IC2312
QR2312
C2355
QR2313
W2301
IC2311
IC2302 NJM4556M-B
R2381
R2373
R2374
D2310
R2376
C2350
R2375
Q2302
C2322 50V4R7(N)
R2334 100K
C2321 0.01
R2380
R2333 100
R2335 33K
R2337 2400(G)
Q2303
FROM SYSCON
1/11 CTL_REC(H)
CTL_R
FROM WIDE
6/11 REC CTL_W
RECCTLW
QR2314
QR2310
QR2311
P2301 VJP1230T
1 CTL_HEAD(G)
2 CTL_HEAD(+)
3 CTL_HEAD(-)
R2331 2200
C2320 0.0022
R2336 8200
FROM SUB POWER
11/11 -5V
-5V
L2302 47U
C2335 6V47
C2336 6V47
C2341 0.01
L2303 47U
C2328 6V47
C2327 6V47
C2340 0.01
FROM CAP(1)
7/11 CAP_FG1
CFG1
C2344
C2351
C2343
IC2311
IC2312
FROM SYSCON
1/11 CNT_INH(H)
CNT_I
FROM CAP(1)
7/11 MUTING_PULSE
MUTING

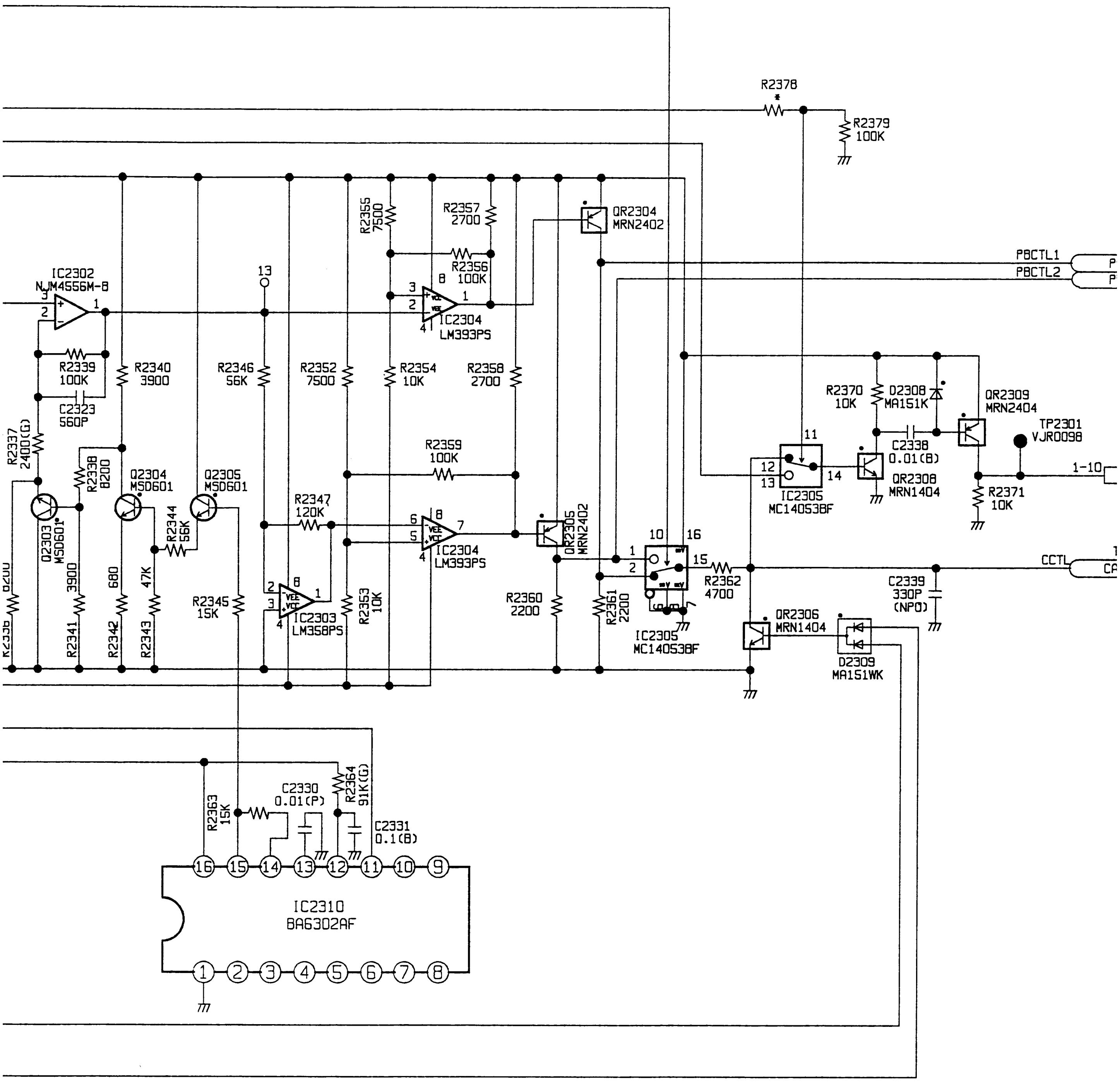
	AG-8700	AG-8600
C2343	0.01	———
C2344	0.01	———
C2350	16V47	———
C2351	0.01	———
C2352	16V47	———
C2353	16V47	———
C2354	0.01	———
C2355	50V1	———
D2310	MA153	———
IC2311	MC14053BF	———
IC2312	MC14013BF	———

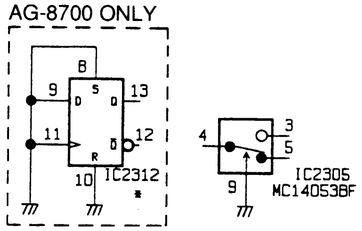
	AG-8700	AG-8600
L2304	47U	———
Q2302	MSD601	———
QR2310	MRN1403	———
QR2311	MRN1404	———
QR2312	MRN1404	———
QR2313	MRN2404	———
QR2314	MRN1404	———
R2332	68K	———
R2372	15K	———
R2373	1200(1/4W)	———
R2374	4700	———

	AG-8700	AG-8600
R2375	5600	———
R2376	560	———
R2377	47K	———
R2378	150K	———
R2380	100	———
R2381	1200(1/4W)	———
W2301	———	0

AG-8




R2378
*
R2379
100K
QR2304
MRN2402
R2355
7500
R2357
2700
R2356
100K
IC2302
NJM4556M-8
13
IC2304
LM393PS
PBCTL1
PBCTL2
R2339
100K
C2323
560P
R2337
2400(G)
R2340
3900
R2346
56K
R2352
7500
R2354
10K
R2358
2700
R2370
10K
D2308
MA151K
QR2309
MRN2404
TP2301
VJR0098
C2338
0.01(B)
R2359
100K
11
12
13
14
IC2305
MC14053BF
QR2308
MRN1404
1-10
R2371
10K
R2338
8200
Q2304
MSD601
Q2305
MSD601
R2347
120K
R2344
56K
Q2303
MSD601
QR2305
MRN2402
10
16
15
R2362
4700
CCTL
C2339
330P
(NPO)
R2336
8200
R2341
3900
R2342
680
R2343
47K
R2345
15K
IC2303
LM358PS
R2353
10K
R2360
2200
R2361
2200
QR2306
MRN1404
D2309
MA151WK
R2363
15K
C2330
0.01(P)
R2364
91K(G)
C2331
0.1(B)
IC2310
BA6302AF


AG-8700 ONLY
8
9
13
11
12
10
IC2312
*
D
S
Q
R
Q̄
4
3
5
9
IC2305
MC14053BF

⊂⊃ -INPUT SIGNAL

⊂⊃ -OUTPUT SIGNAL

*-REFER TO THE COMPARISON CHART

Ref No.2300 Series.

11

TO WIDE

PBCTL1 6/11

PBCTL2 6/11

]1
38

1-10 CTL_PULSE 1-10

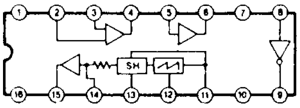
TO CAP(1)

CAP_CTL 7/11

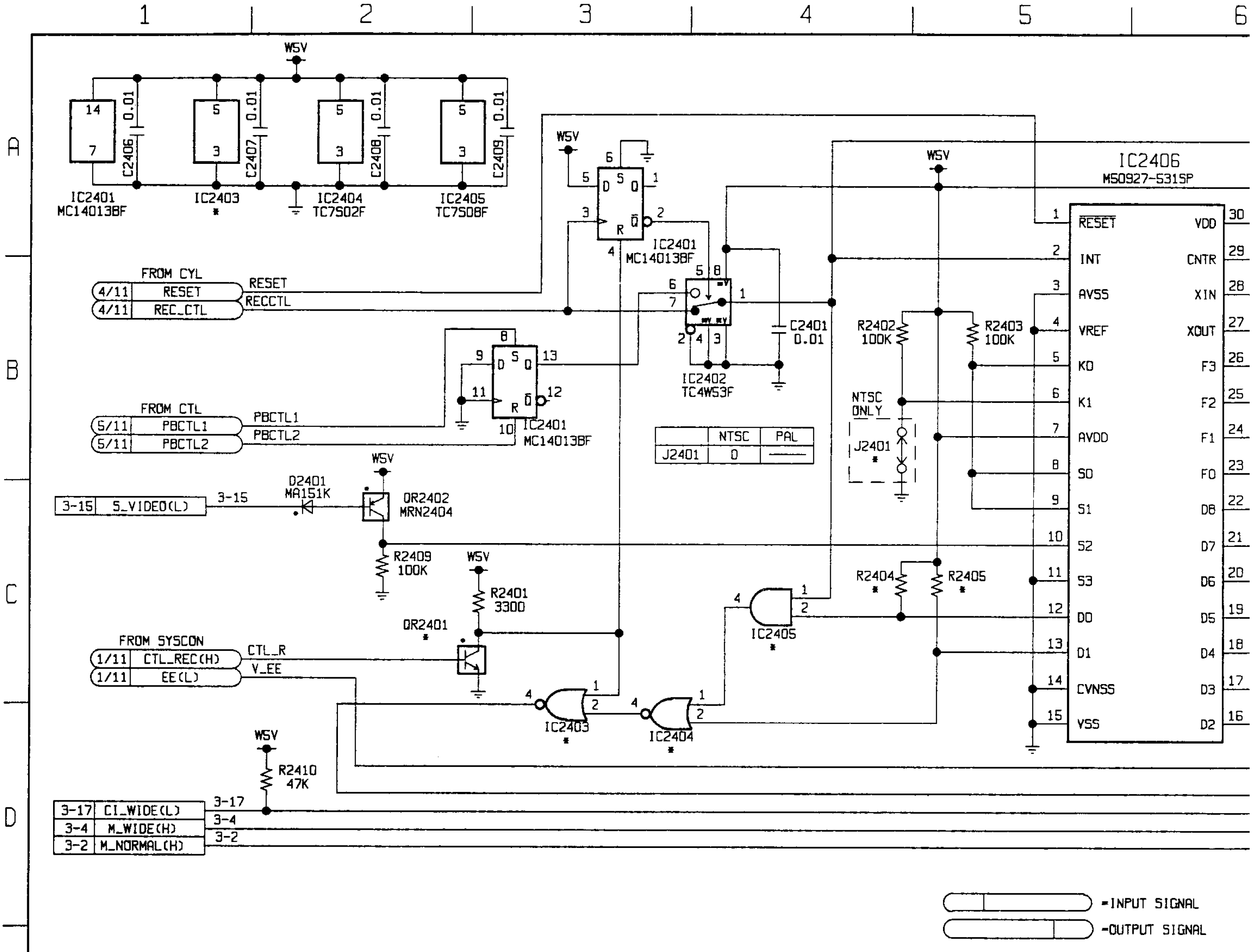
CTL AMP DC VOLTAGE CHART

REF. NO.	IC2302									IC2303								
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	
STOP	0.1	0	0	−5.0	0	0	−0.1	5.0		−0.2	0	0	−5.0	0.3	0.2	3.9	5.0	
REC	0	0	0	−5.0	0	0	−0.1	5.0		−0.1	0	0	−5.0	0.3	0.3	3.9	5.0	
F.F.	0.6	0	0	−5.0	0	0	−0.1	5.0		−1.5	−0.1	0	−5.0	0.3	0.3	3.9	5.0	
REF. NO.	IC2304																	
MODE	1	2	3	4	5	6	7	8										
STOP	4.9	0.1	0.9	−5.0	0.9	0	4.9	5.0										
REC	4.9	0	0.9	−5.0	0.9	0	4.9	5.0										
F.F	0	0.5	0.7	−0.5	0.7	−1.4	1.4	5.0										
REF. NO.	IC2305																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.0		
REC	0	0	0.4	0.4	0.4	0	0	0	0	0	4.6	0	3.1	3.0	0	5.0		
F.F	1.9	2.7	0	0	0	0	0	0	0	0	0	2.4	0	2.4	2.6	5.0		
REF. NO.	IC2310																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	1.3	1.3	0	1.5	4.7	0	0	0.7	0.5	0	5.0	3.4	2.6	1.7	5.1		
REC	0	1.3	0.2	0	0.9	4.4	0	0	1.3	2.0	2.5	0.3	0.6	2.6	3.8	5.1		
F.F	0	1.3	0.2	0	0.9	4.4	0	0	0	0	5.1	5.0	3.4	2.6	1.7	5.0		
REF. NO.	IC2311																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	0	0	0	0	0	−5.0	0	0	0	0	0	5.9	0	0	11.7		
REC	0	0	0	0	0	0	−5.0	0	11.7	0	11.7	0	0	0	0	11.7		
F.F	0	0	0	0	0	0	−5.0	0	0	0	0	0	5.9	0	0	11.7		
REF. NO.	IC2312																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14				
STOP	0	11.6	11.6	11.6	11.7	0	0	0	0	0	0	0	11.7	11.7				
REC	11.7	0	4.6	0	11.7	0	0	0	0	0	0	0	11.7	11.7				
F.F	0	11.6	11.6	11.6	11.7	0	0	0	0	0	0	0	11.7	11.7				
REF. NO.	Q2302			Q2303			Q2304			Q2305								
MODE	E	C	B	E	C	B	E	C	B	E	C	B						
STOP	0	11.7	0	0	0	0.6	0	3.5	0.5	1.2	5.0	1.7						
REC	0	5.6	0.3	0	0	0.3	0.7	0.8	1.3	3.2	5.0	3.7						
F.F.	0	11.7	0	0	0	0.6	0	3.5	0.5	1.2	5.0	1.7						
REF. NO.	QR2304			QR2305			QR2306			QR2308			QR2309			QR2310		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.0	0	4.9	5.0	0	4.9	0	0	4.7	0	5.0	0	5.0	0	5.0	0	0	0
REC	5.0	0	4.9	5.0	0	4.9	0	0	0	0	2.0	3.0	5.0	0.1	4.9	0	0.3	3.1
F.F.	5.0	2.7	−0.2	5.0	1.9	1.4	0	2.6	0	0	1.8	2.4	5.0	2.9	3.7	0	0	0
REF. NO.	QR2311			QR2312			QR2313			QR2314								
MODE	E	C	B	E	C	B	E	C	B	E	C	B						
STOP	0	0	11.6	0	11.6	0	11.7	11.7	0	0	11.6	0						
REC	0	0.3	0	0	0	4.8	11.7	0.1	11.7	0	4.6	3.1						
F.F.	0	0	11.6	0	11.6	0	11.7	11.7	0	0	11.6	0						

IC2310
BA6302AF

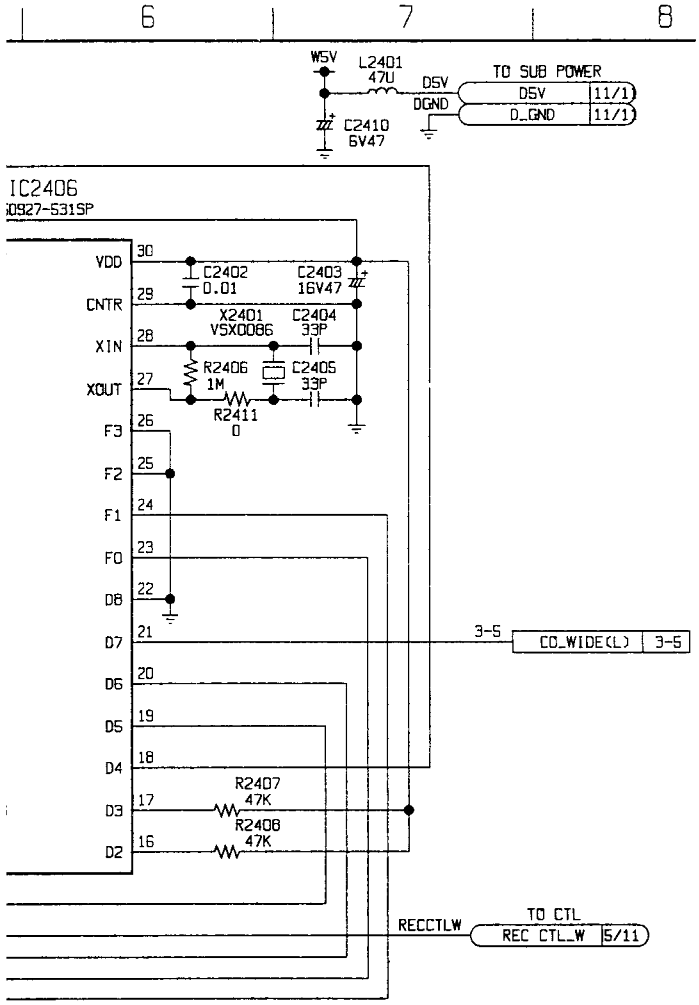


WIDE SCHEMATIC DIAGRAM 6/11 (E3: Page CBA-5)


1
2
3
4
5
6
A
B
C
D
W5V
14
7
0.01
C2406
IC2401
MC14013BF
5
3
0.01
C2407
IC2403
*
5
3
0.01
C2408
IC2404
TC7S02F
5
3
0.01
C2409
IC2405
TC7S08F
W5V
6
5
D
S
Q
1
3
R
Q̄
2
4
IC2401
MC14013BF
W5V
IC2406
M50927-S315P
1 RESET VDD 30
2 INT CNTR 29
3 AVSS XIN 28
4 VREF XOUT 27
5 K0 F3 26
6 K1 F2 25
7 AVDD F1 24
8 S0 F0 23
9 S1 D8 22
10 S2 D7 21
11 S3 D6 20
12 D0 D5 19
13 D1 D4 18
14 CVNSS D3 17
15 VSS D2 16
FROM CYL
4/11 RESET
4/11 REC_CTL
RESET
RECCTL
6
7
5
8
1
2
4
3
IC2402
TC4W53F
C2401
0.01
R2402
100K
R2403
100K
NTSC
ONLY
J2401
*
8
9
D
S
Q
13
11
R
Q̄
12
10
IC2401
MC14013BF
FROM CTL
5/11 PBCTL1
5/11 PBCTL2
PBCTL1
PBCTL2
NTSC PAL
J2401 0 ——
W5V
D2401
MA151K
3-15 S_VIDEO(L)
3-15
QR2402
MRN2404
R2409
100K
W5V
R2401
3300
QR2401
*
R2404
*
R2405
*
4
1
2
IC2405
*
FROM SYSCON
1/11 CTL_REC(H)
1/11 EE(L)
CTL_R
V_EE
4
1
2
IC2403
*
4
1
2
IC2404
*
W5V
R2410
47K
3-17 CI_WIDE(L)
3-4 M_WIDE(H)
3-2 M_NORMAL(H)
3-17
3-4
3-2
=INPUT SIGNAL
=OUTPUT SIGNAL

E

	AG-8700	AG-8600
J2401	——	——
IC2403	TC7S02F	——
IC2404	TC7S02F	——
IC2405	TC7S02F	——
QR2401	MRN1404	——
R2404	47K	——
R2405	47K	——


6
7
8
W5V
L2401
47U
D5V
DGND
TO SUB POWER
D5V
11/1
D_GND
11/1
C2410
6V47
IC2406
0927-531SP
VDD
CNTR
XIN
XOUT
F3
F2
F1
F0
D8
D7
D6
D5
D4
D3
D2
30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
C2402
0.01
C2403
16V47
X2401
VSX0086
C2404
33P
R2406
1M
C2405
33P
R2411
0
3-5
CD_WIDE(L)
3-5
R2407
47K
R2408
47K
RECCTLW
TO CTL
REC CTL_W
5/11

INPUT SIGNAL

OUTPUT SIGNAL

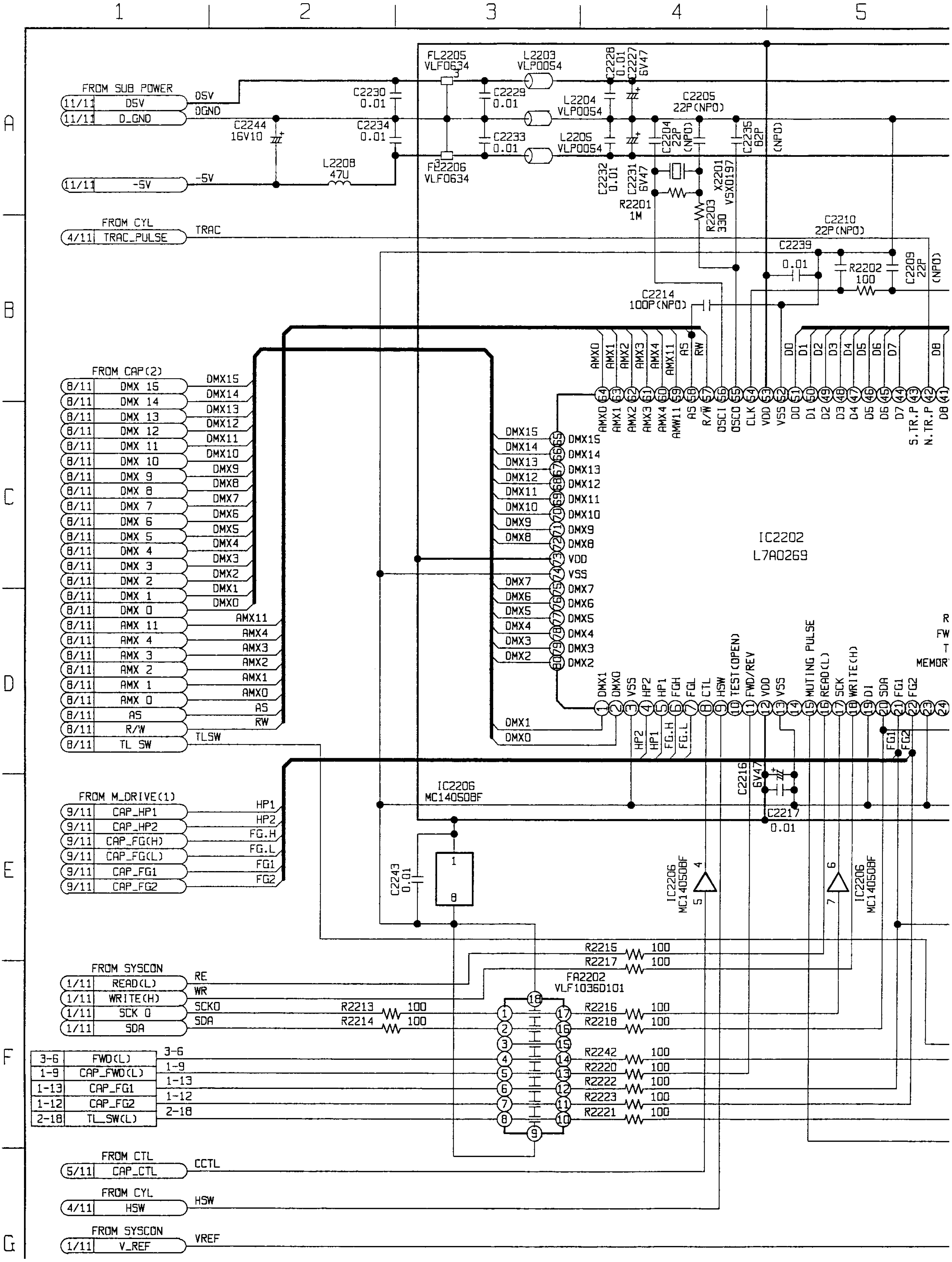
*-REFER TO THE COMPARISON CHART

Ref No.2400 Series.

WIDE DC VOLTAGE CHART

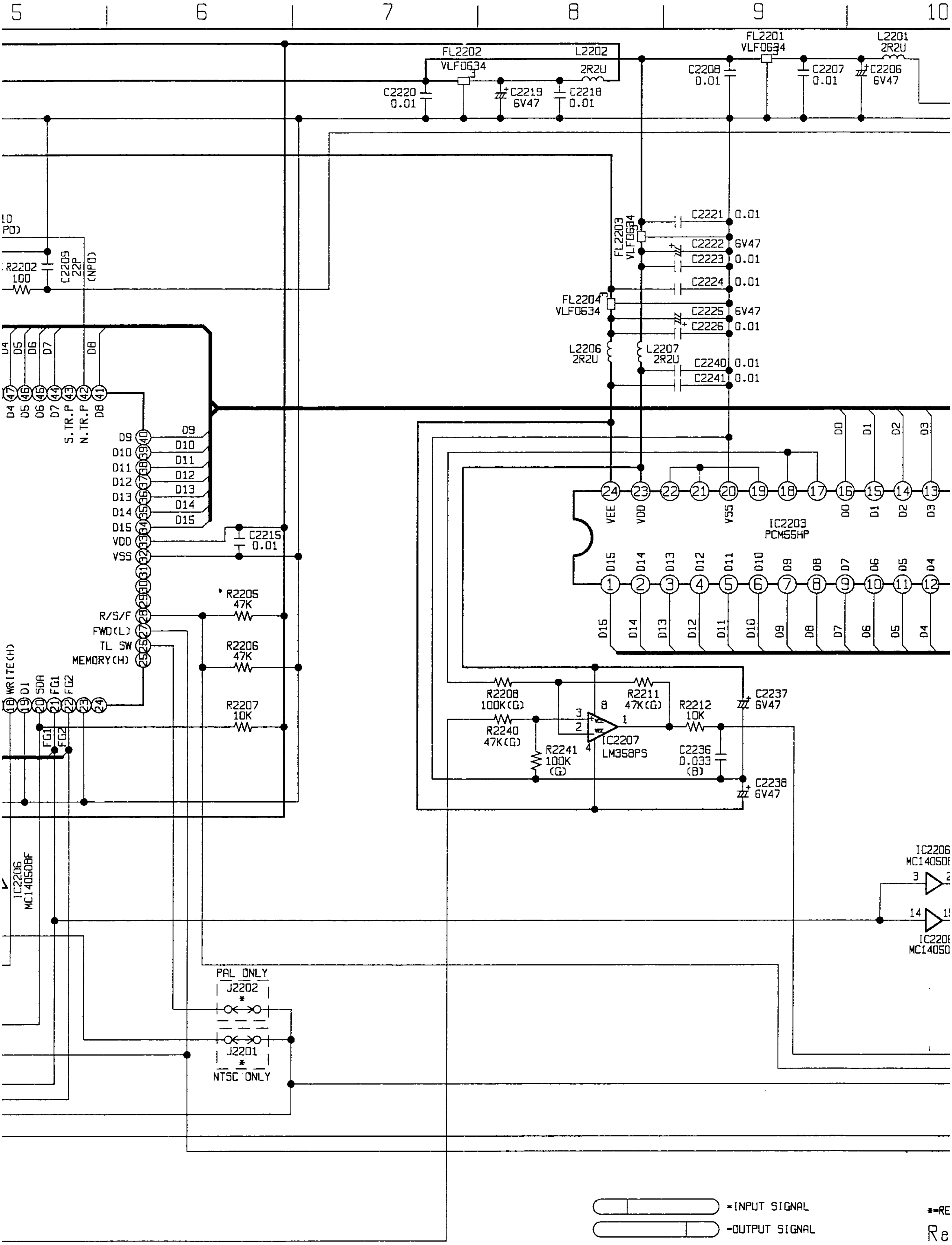
REF. NO.	IC2401									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	5.1	0	5.1	5.1	0	0	0	0	0
REC	5.1	0	3.1	0.1	5.1	0	0	0	0	0
F.F	0	5.1	0	5.2	5.2	0	0	2.7	0	1.9
REF. NO.	IC2401									
MODE	11	12	13	14						
STOP	0	0	5.1	5.1						
REC	0	5.1	0	5.1						
F.F	0	2.0	3.1	5.1						
REF. NO.	IC2402									
MODE	1	2	3	4	5	6	7	8		
STOP	5.1	0	0	0	5.1	5.1	0	5.1		
REC	3.1	0	0	0	0	0	3.1	5.1		
F.F	3.1	0	0	0	5.2	3.2	0	5.2		
REF. NO.	IC2403									
MODE	1	2	3	4	5					
STOP	5.1	0	0	0	5.1					
REC	0.1	2.1	0	3.1	5.1					
F.F	5.2	0	0	0	5.2					
REF. NO.	IC2404									
MODE	1	2	3	4	5					
STOP	5.1	0	0	0	5.1					
REC	0.4	3.1	0	2.1	5.1					
F.F	0	5.2	0	0	5.2					
REF. NO.	IC2405									
MODE	1	2	3	4	5					
STOP	5.1	5.1	0	5.1	5.1					
REC	3.1	1.8	0	0.4	5.1					
F.F	3.2	0	0	0	5.2					
REF. NO.	IC2406									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.1	5.1	0	0	5.1	0	5.1	5.1	5.1	5.1
REC	5.1	3.1	0	0	5.1	5.0	5.1	5.1	5.1	5.1
F.F	5.2	3.1	0	0	5.1	5.1	5.2	5.1	5.1	5.1
REF. NO.	IC2406									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	0	5.1	0	0	0	5.1	5.1	5.1	0	5.1
REC	0	1.8	3.1	0	0	5.1	5.1	3.1	0	5.1
F.F	0	5.1	5.2	0	0	5.2	5.2	3.2	0	5.1
REF. NO.	IC2406									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	4.8	0	0	0	0	0	2.5	2.5	0	5.1
REC	4.8	0	0	0	0	0	2.5	2.5	0	5.1
F.F	4.8	0	0	0	0	0	2.5	2.5	0	5.2
REF. NO.	QR2401			QR2402						
MODE	E	C	B	E	C	B				
STOP	0	5.1	0	5.1	5.1	3.7				
REC	0	0.1	4.8	5.1	5.1	3.7				
F.F.	0	5.2	0	5.1	5.1	3.7				

CAPSTAN SERVO-1 SCHEMATIC DIAGRAM 7/11 (E3: Page CBA-5)



1
2
3
4
5
A
B
C
D
E
F
G
FROM SUB POWER
11/11 D5V
11/11 D_GND
D5V
DGND
11/11 -5V
-5V
C2244
16V10
L2208
47U
C2230
0.01
C2234
0.01
FL2205
VLF0634
FL2206
VLF0634
L2203
VLP0054
L2204
VLP0054
L2205
VLP0054
C2229
0.01
C2233
0.01
C2228
0.01
C2227
6V47
C2232
0.01
C2231
6V47
C2205
22P(NPO)
C2204
22P
(NPO)
C2235
82P
(NPO)
X2201
VSX0197
R2201
1M
R2203
330
C2210
22P(NPO)
C2239
0.01
R2202
100
C2209
22P
(NPO)
C2214
100P(NPO)
FROM CYL
4/11 TRAC_PULSE
TRAC
FROM CAP(2)
8/11 DMX 15
8/11 DMX 14
8/11 DMX 13
8/11 DMX 12
8/11 DMX 11
8/11 DMX 10
8/11 DMX 9
8/11 DMX 8
8/11 DMX 7
8/11 DMX 6
8/11 DMX 5
8/11 DMX 4
8/11 DMX 3
8/11 DMX 2
8/11 DMX 1
8/11 DMX 0
8/11 AMX 11
8/11 AMX 4
8/11 AMX 3
8/11 AMX 2
8/11 AMX 1
8/11 AMX 0
8/11 AS
8/11 R/W
8/11 TL SW
DMX15
DMX14
DMX13
DMX12
DMX11
DMX10
DMX9
DMX8
DMX7
DMX6
DMX5
DMX4
DMX3
DMX2
DMX1
DMX0
AMX11
AMX4
AMX3
AMX2
AMX1
AMX0
AS
RW
TLSW
AMX0
AMX1
AMX2
AMX3
AMX4
AMX11
AS
RW
D0
D1
D2
D3
D4
D5
D6
D7
D8
64 AMX0
63 AMX1
62 AMX2
61 AMX3
60 AMX4
59 AMW11
58 AS
57 R/W
56 OSCI
55 OSCO
54 CLK
53 VDD
52 VSS
51 D0
50 D1
49 D2
48 D3
47 D4
46 D5
45 D6
44 D7
43 S.TR.P
42 N.TR.P
41 D8
65 DMX15
66 DMX14
67 DMX13
68 DMX12
69 DMX11
70 DMX10
71 DMX9
72 DMX8
73 VDD
74 VSS
75 DMX7
76 DMX6
77 DMX5
78 DMX4
79 DMX3
80 DMX2
IC2202
L7A0269
1 DMX1
2 DMX0
3 VSS
4 HP2
5 HP1
6 FGH
7 FGL
8 CTL
9 HSW
10 TEST(OPEN)
11 FWD/REV
12 VDD
13 VSS
14
15 MUTING PULSE
16 READ(L)
17 SCK
18 WRITE(H)
19 DI
20 SDA
21 FG1
22 FG2
23
24
R
FW
T
MEMOR
HP2
HP1
FG.H
FG.L
FG1
FG2
C2216
6V47
C2217
0.01
IC2206
MC14050BF
FROM M_DRIVE(1)
9/11 CAP_HP1
9/11 CAP_HP2
9/11 CAP_FG(H)
9/11 CAP_FG(L)
9/11 CAP_FG1
9/11 CAP_FG2
HP1
HP2
FG.H
FG.L
FG1
FG2
C2243
0.01
1
8
IC2206
MC14050BF
4
5
IC2206
MC14050BF
6
7
R2215 100
R2217 100
FROM SYSCON
1/11 READ(L)
1/11 WRITE(H)
1/11 SCK 0
1/11 SDA
RE
WR
SCK0
SDA
R2213 100
R2214 100
FA2202
VLF10360101
R2216 100
R2218 100
R2242 100
R2220 100
R2222 100
R2223 100
R2221 100
3-6 FWD(L)
1-9 CAP_FWD(L)
1-13 CAP_FG1
1-12 CAP_FG2
2-18 TL_SW(L)
3-6
1-9
1-13
1-12
2-18
FROM CTL
5/11 CAP_CTL
CCTL
FROM CYL
4/11 HSW
HSW
FROM SYSCON
1/11 V_REF
VREF

-5)

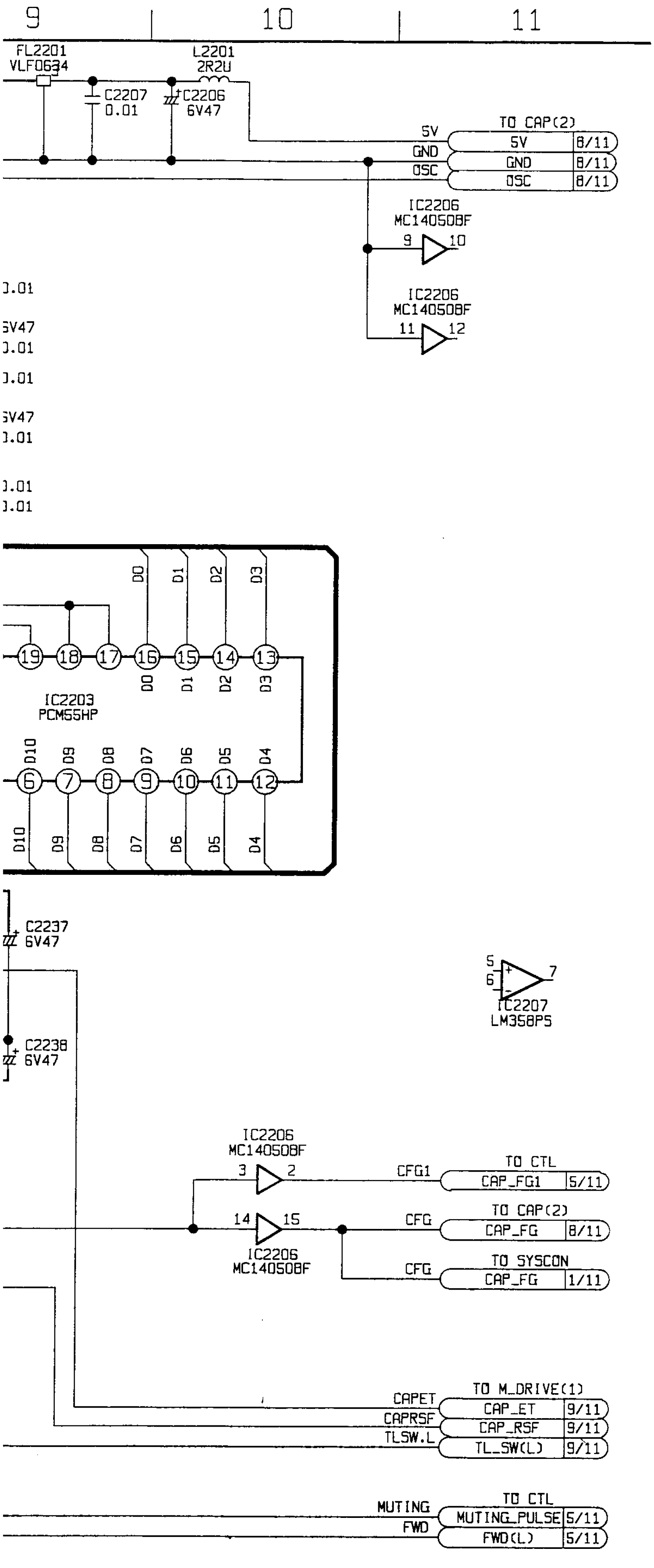

5
6
7
8
9
10
FL2202
VLF0634
L2202
2R2U
C2220
0.01
C2219
6V47
C2218
0.01
C2208
0.01
FL2201
VLF0634
C2207
0.01
L2201
2R2U
C2206
6V47
R2202
100
C2209
22P
(NPO)
FL2203
VLF0634
C2221 0.01
C2222 6V47
C2223 0.01
C2224 0.01
FL2204
VLF0634
C2225 6V47
C2226 0.01
L2206
2R2U
L2207
2R2U
C2240 0.01
C2241 0.01
D4 D5 D6 D7 D8
S.TR.P
N.TR.P
D9
D10
D11
D12
D13
D14
D15
VDD
VSS
C2215
0.01
R2205
47K
R/S/F
FWD(L)
TL SW
MEMORY(H)
R2206
47K
R2207
10K
WRITE(H)
D1
SDA
FG1
FG2
IC2203
PCM55HP
VEE
VDD
VSS
D0 D1 D2 D3
D15 D14 D13 D12 D11 D10 D9 D8 D7 D6 D5 D4
R2208
100K(G)
R2211
47K(G)
R2240
47K(G)
R2241
100K
(G)
IC2207
LM358PS
R2212
10K
C2236
0.033
(B)
C2237
6V47
C2238
6V47
IC2206
MC14050BF
PAL ONLY
J2202
J2201
NTSC ONLY

=INPUT SIGNAL

=OUTPUT SIGNAL

*=RE

Re


9
10
11
FL2201
VLF0634
L2201
2R2U
C2207
0.01
C2206
6V47
5V
GND
OSC
TO CAP(2)
5V
GND
OSC
8/11
8/11
8/11
IC2206
MC14050BF
9
10
IC2206
MC14050BF
11
12
0.01
6V47
0.01
0.01
6V47
0.01
0.01
0.01
D0
D1
D2
D3
19
18
17
16
15
14
13
D0
D1
D2
D3
IC2203
PCM55HP
D10
D9
D8
D7
D6
D5
D4
6
7
8
9
10
11
12
D10
D9
D8
D7
D6
D5
D4
C2237
6V47
C2238
6V47
5
6
7
IC2207
LM358PS
IC2206
MC14050BF
3
2
CFG1
TO CTL
CAP_FG1
5/11
14
15
IC2206
MC14050BF
CFG
TO CAP(2)
CAP_FG
8/11
CFG
TO SYSCON
CAP_FG
1/11
CAPET
TO M_DRIVE(1)
CAP_ET
9/11
CAPRSF
CAP_RSF
9/11
TLSW.L
TL_SW(L)
9/11
MUTING
TO CTL
MUTING_PULSE
5/11
FWD
FWD(L)
5/11

NPUT SIGNAL

JTPUT SIGNAL

*-REFER TO THE COMPARISON CHART

Ref No. 2200 Serise.

CAPSTAN SERVO-1 DC VOLTAGE CHART

REF. NO.	IC2202									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	4.8	2.2	0	5.0	5.0	0	2.0	0	2.6	5.1
REC	4.2	3.0	0	2.6	2.6	2.5	2.5	0	2.5	5.1
F.F	2.6	2.1	0	2.6	0	5.0	2.4	2.6	2.6	5.1

REF. NO.	IC2202									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	5.1	5.1	0	0	5.1	4.5	5.0	0	0	4.6
REC	0	5.1	0	0	0	4.5	5.0	0	0	4.6
F.F	0	5.2	0	0	0	4.6	5.0	0	0	4.6

REF. NO.	IC2202									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	0	4.5	0	5.1	0	5.1	0	0	0	0
REC	2.3	2.3	0	5.1	0	0	0	0	0	0
F.F	5.0	4.5	0	5.2	0	5.1	0	0	0	0

REF. NO.	IC2202									
MODE	31	32	33	34	35	36	37	38	39	40
STOP	0	0	5.1	5.1	0	0	5.1	5.1	5.1	0
REC	0	0	5.1	0	5.1	5.1	0	0	5.1	0
F.F	0	0	5.2	5.2	0	0	0	0	0	0

REF. NO.	IC2202									
MODE	41	42	43	44	45	46	47	48	49	50
STOP	5.1	1.9	5.1	0	5.1	5.1	0	5.1	5.1	5.1
REC	2.9	1.9	5.1	2.7	2.7	2.6	2.7	2.6	2.7	2.6
F.F	0	1.9	5.2	0	0	0	0	0	0	0

REF. NO.	IC2202									
MODE	51	52	53	54	55	56	57	58	59	60
STOP	0	0	5.1	1.5	2.1	2.2	5.0	3.2	0.5	4.1
REC	2.7	0	5.1	1.9	1.9	2.2	5.0	2.8	0.3	1.9
F.F	0	0	5.2	1.6	2.1	2.2	5.0	3.2	0.5	4.5

REF. NO.	IC2202									
MODE	61	62	63	64	65	66	67	68	69	70
STOP	0.9	0.8	0.9	0.9	3.4	2.4	2.2	2.3	3.4	3.6
REC	2.1	3.6	2.8	2.4	4.2	4.4	3.7	3.5	3.6	3.0
F.F	0.8	1.0	0.5	0.3	2.4	3.7	3.7	3.7	3.7	3.3

REF. NO.	IC2202									
MODE	71	72	73	74	75	76	77	78	79	80
STOP	4.0	2.2	5.1	0	2.9	2.8	2.8	4.3	2.8	4.3
REC	4.1	2.9	5.1	0	3.6	3.7	3.6	3.6	4.1	3.7
F.F	3.1	3.1	5.2	0	2.9	2.9	3.0	2.9	2.9	2.2

REF. NO.	IC2203									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	5.1	0	0	5.1	0	0	5.1	0	5.1
REC	0	5.1	5.1	0	5.1	5.1	3.8	2.2	2.6	2.7
F.F	5.2	0	0	0	0	0	0	0	0	0

REF. NO.	IC2203									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	5.1	0	0	5.1	0	0	0	0	0	0
REC	2.7	2.7	2.7	2.7	2.7	2.7	0.6	0.6	0	0
F.F	0	0	0	0	0	0	0	0	0	0

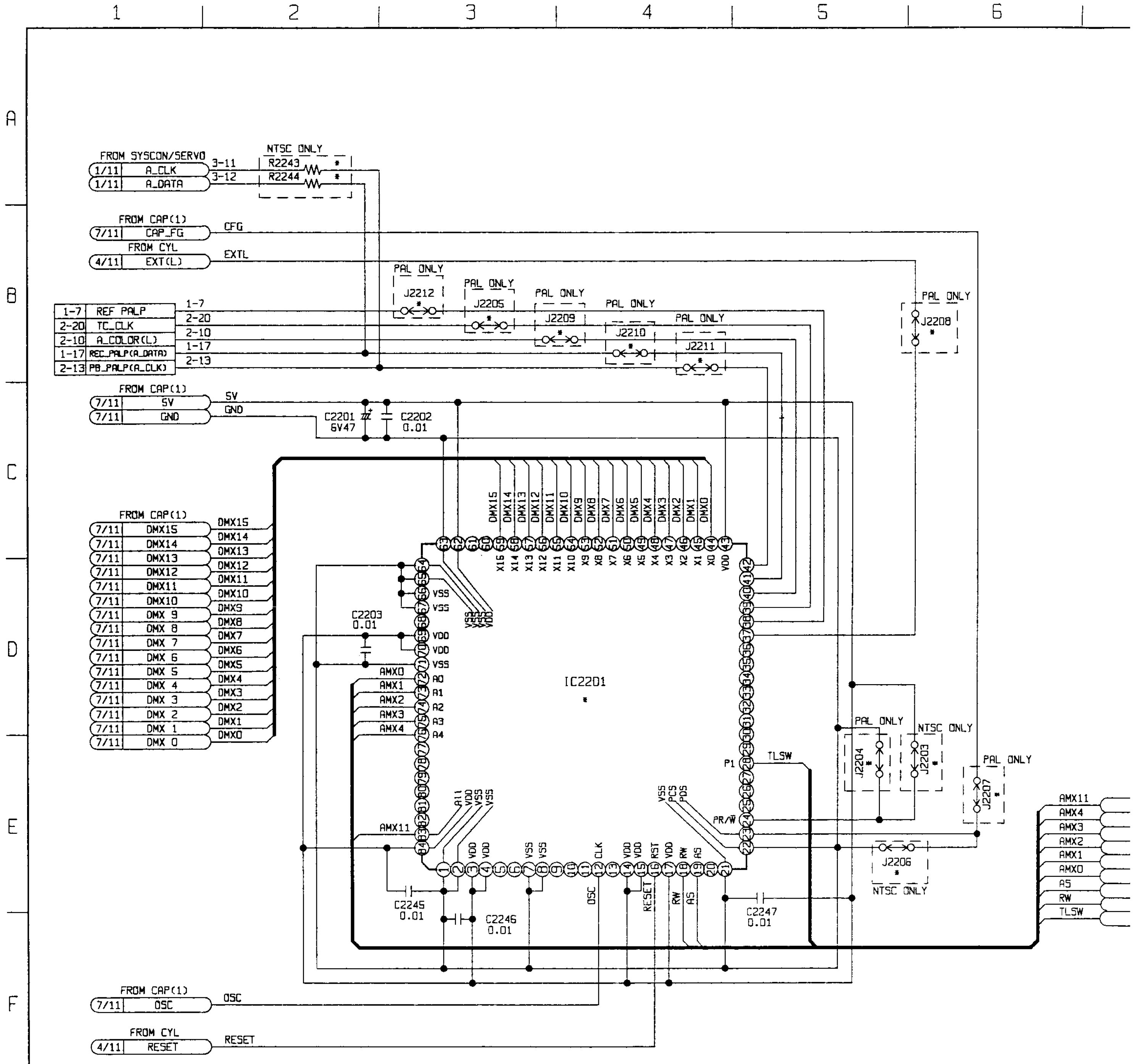
REF. NO.	IC2203									
MODE	21	22	23	24						
STOP	0	0	5.1	−5.0						
REC	0	0	5.1	−5.0						
F.F	0	0	5.1	−5.0						

REF. NO.	IC2206									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.1	5.1	0	0	0	5.0	4.7	0	0	0
REC	5.1	2.5	2.3	0	0	5.0	4.7	0	0	0
F.F	5.2	5.1	0.1	2.8	2.4	5.1	4.7	0	0	0

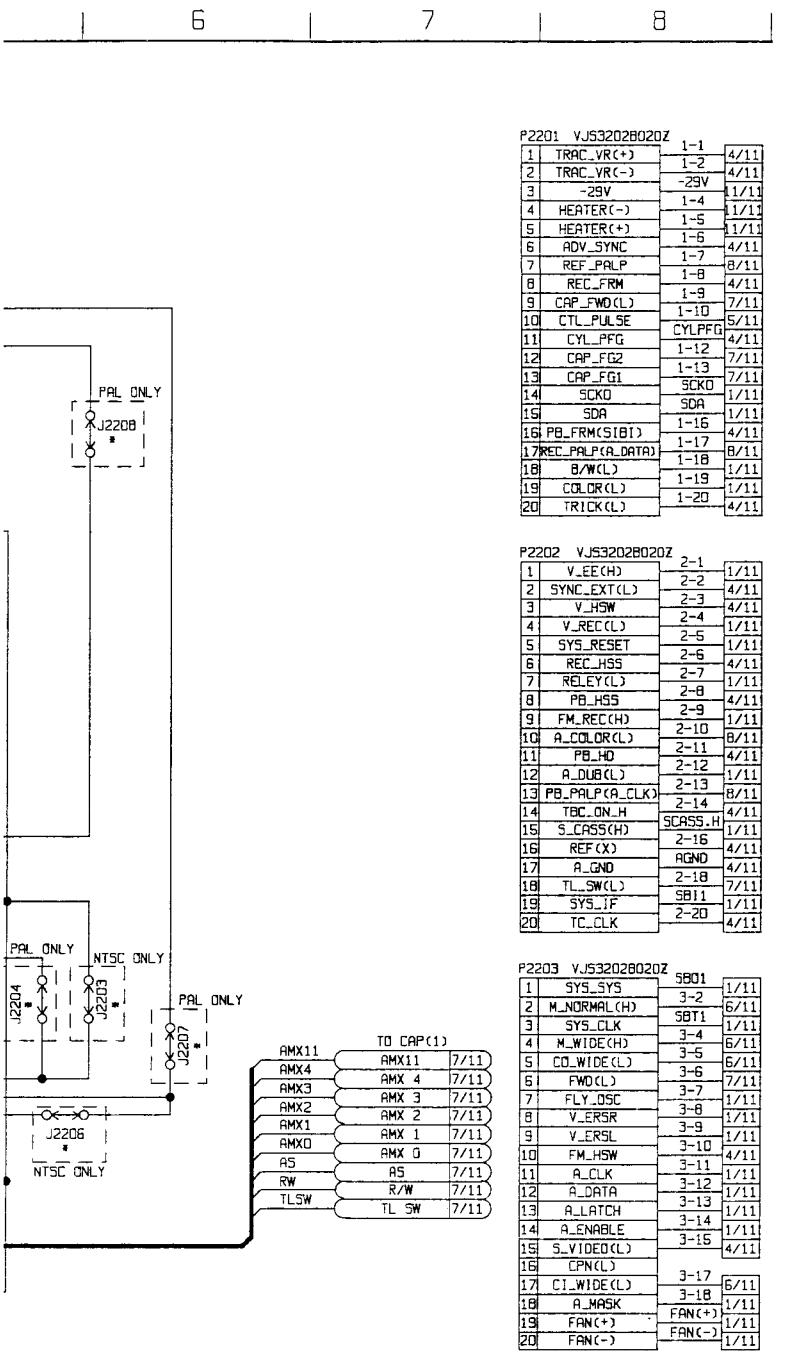
REF. NO.	IC2206									
MODE	11	12	13	14	15	16				
STOP	0	0	0	0	5.1	0				
REC	0	0	0	2.6	2.6	0				
F.F	0	0	0	2.6	5.1	0				

REF. NO.	IC2207									
MODE	1	2	3	4	5	6	7	8		
STOP	2.0	1.6	1.6	−5.0	0.3	0.3	4.0	5.1		
REC	2.1	1.6	1.6	−5.0	0.3	0.3	4.0	5.1		
F.F	2.4	1.6	1.6	−5.0	0.3	0.3	4.0	5.2		

CAPSTAN SERVO-2 SCHEMATIC DIAGRAM 8/11 (E3: Page CBA-5)


1
2
3
4
5
6
A
B
C
D
E
F
G
H
FROM SYSCON/SERVO
1/11 A_CLK
1/11 A_DATA
3-11
3-12
NTSC ONLY
R2243
R2244
FROM CAP(1)
7/11 CAP_FG
CFG
FROM CYL
4/11 EXT(L)
EXTL
1-7 REF PALP
2-20 TC_CLK
2-10 A_COLOR(L)
1-17 REC_PALP(A_DATA)
2-13 PB_PALP(A_CLK)
PAL ONLY
J2212
J2205
J2209
J2210
J2211
J2208
FROM CAP(1)
7/11 5V
7/11 GND
5V
GND
C2201 6V47
C2202 0.01
C2203 0.01
DMX15
DMX14
DMX13
DMX12
DMX11
DMX10
DMX9
DMX8
DMX7
DMX6
DMX5
DMX4
DMX3
DMX2
DMX1
DMX0
AMX0
AMX1
AMX2
AMX3
AMX4
AMX11
IC2201
VSS
VDD
A0
A1
A2
A3
A4
A11
P1
TLSW
PR/W
PCS
PDS
CLK
OSC
RESET
RST
RW
AS
J2204
J2203
J2207
J2206
NTSC ONLY
C2245 0.01
C2246 0.01
C2247 0.01
AMX11
AMX4
AMX3
AMX2
AMX1
AMX0
AS
RW
TLSW
FROM CAP(1)
7/11 OSC
OSC
FROM CYL
4/11 RESET
RESET

	AG-8700	AG-8600
IC2201	MN19041VMCX	MN19041VMCX
J2203	—	—
J2204	0	0
J2205	0	0
J2206	—	—
J2207	0	0
J2208	0	0
J2209	0	0
J2210	0	0
J2211	0	0
J2212	0	0
R2243	—	—
R2244	—	—


6
7
8
P2201 VJS32028020Z
1 TRAC_VR(+) 1-1 4/11
2 TRAC_VR(-) 1-2 4/11
3 -29V -29V 11/11
4 HEATER(-) 1-4 11/11
5 HEATER(+) 1-5 11/11
6 ADV_SYNC 1-6 4/11
7 REF_PALP 1-7 8/11
8 REC_FRM 1-8 4/11
9 CAP_FWD(L) 1-9 7/11
10 CTL_PULSE 1-10 5/11
11 CYL_PFG CYLPFG 4/11
12 CAP_FG2 1-12 7/11
13 CAP_FG1 1-13 7/11
14 SCKO SCKO 1/11
15 SDA SDA 1/11
16 PB_FRM(SIBI) 1-16 4/11
17 REC_PALP(A_DATA) 1-17 8/11
18 B/W(L) 1-18 1/11
19 COLOR(L) 1-19 1/11
20 TRICK(L) 1-20 4/11
P2202 VJS32028020Z
1 V_EE(H) 2-1 1/11
2 SYNC_EXT(L) 2-2 4/11
3 V_HSW 2-3 4/11
4 V_REC(L) 2-4 1/11
5 SYS_RESET 2-5 1/11
6 REC_HSS 2-6 4/11
7 RELEY(L) 2-7 1/11
8 PB_HSS 2-8 4/11
9 FM_REC(H) 2-9 1/11
10 A_COLOR(L) 2-10 8/11
11 PB_HD 2-11 4/11
12 A_DUB(L) 2-12 1/11
13 PB_PALP(A_CLK) 2-13 8/11
14 TBC_ON_H 2-14 4/11
15 S_CASS(H) SCASS.H 1/11
16 REF(X) 2-16 4/11
17 A_GND AGND 4/11
18 TL_SW(L) 2-18 7/11
19 SYS_IF SBI1 1/11
20 TC_CLK 2-20 4/11
P2203 VJS32028020Z
1 SYS_SYS SBO1 1/11
2 M_NORMAL(H) 3-2 6/11
3 SYS_CLK SBT1 1/11
4 M_WIDE(H) 3-4 6/11
5 CO_WIDE(L) 3-5 6/11
6 FWD(L) 3-6 7/11
7 FLY_OSC 3-7 1/11
8 V_ERSR 3-8 1/11
9 V_ERSL 3-9 1/11
10 FM_HSW 3-10 4/11
11 A_CLK 3-11 1/11
12 A_DATA 3-12 1/11
13 A_LATCH 3-13 1/11
14 A_ENABLE 3-14 1/11
15 S_VIDEO(L) 3-15 4/11
16 CPN(L)
17 CI_WIDE(L) 3-17 6/11
18 A_MASK 3-18 1/11
19 FAN(+) FAN(+) 1/11
20 FAN(-) FAN(-) 1/11
PAL ONLY
J2208 *
PAL ONLY
J2204 *
NTSC ONLY
J2203 *
PAL ONLY
J2207 *
J2206 *
NTSC ONLY
TO CAP(1)
AMX11 AMX11 7/11
AMX4 AMX 4 7/11
AMX3 AMX 3 7/11
AMX2 AMX 2 7/11
AMX1 AMX 1 7/11
AMX0 AMX 0 7/11
AS AS 7/11
RW R/W 7/11
TLSW TL SW 7/11

AG-8600
9041VMCX
0
0
0
0
0
0
0
0

=INPUT SIGNAL

=OUTPUT SIGNAL

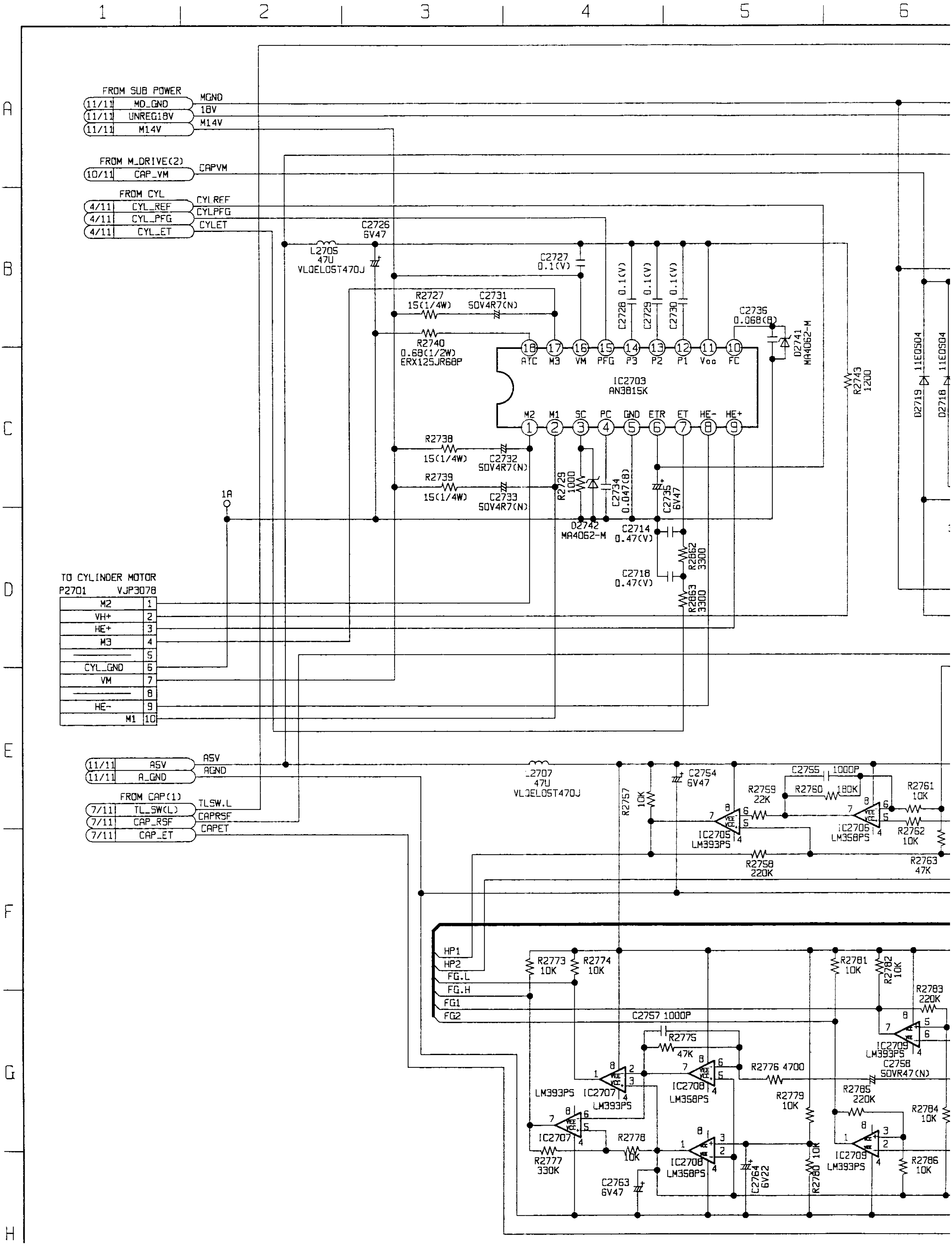
*=REFER TO THE COMPARISON CHART

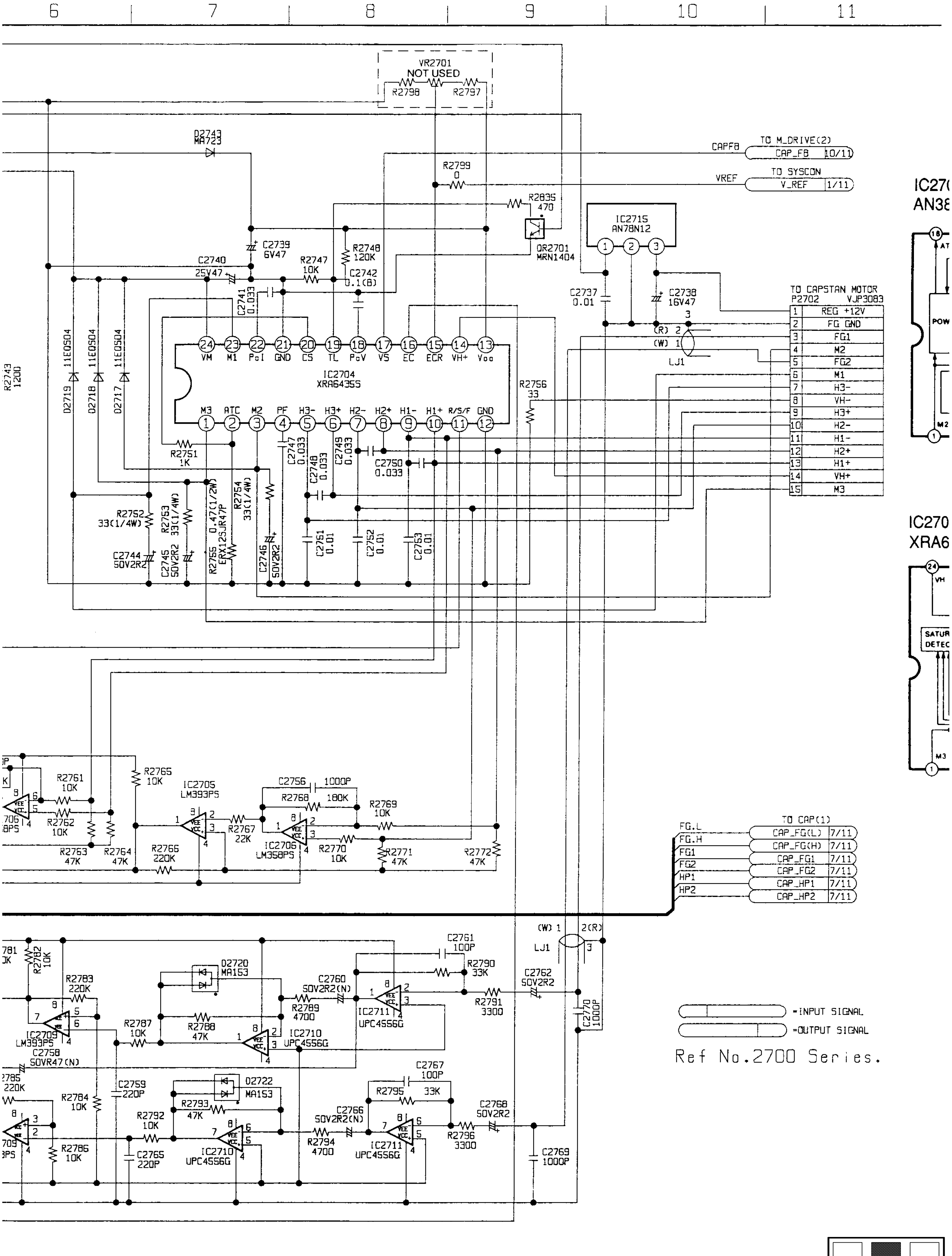
Ref No.2200 Series.

CAPSTAN SERVO-2 DC VOLTAGE CHART

REF. NO.	IC2201									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	5.1	5.1	0	0	0	0	3.1	2.4
REC	0	0	5.1	5.1	0	0	0	0	3.1	2.4
F.F	0	0	5.2	5.2	0	0	0	0	3.1	2.2
REF. NO.	IC2201									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	2.6	2.1	2.4	5.1	5.1	5.1	5.1	4.9	3.1	4.2
REC	2.6	2.1	2.4	5.1	5.1	5.1	5.1	4.9	2.8	4.2
F.F	2.7	2.1	2.4	5.2	5.2	5.2	5.2	5.0	3.2	4.3
REF. NO.	IC2201									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	0	0	0	0	0	0	0.1	0.1	0.1	0.1
REC	0	0	2.5	0	5.1	0	0.1	0.1	0.1	0.1
F.F	0	0	5.1	0	0	0	0.2	0.2	0.2	0.2
REF. NO.	IC2201									
MODE	31	32	33	34	35	36	37	38	39	40
STOP	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.1	2.6	0.1
REC	0.1	0.1	0.1	0.1	0.1	0.1	5.0	0.1	2.6	0.1
F.F	0.1	0.1	0.1	0.1	0.1	0.1	5.1	0.2	2.6	0.1
REF. NO.	IC2201									
MODE	41	42	43	44	45	46	47	48	49	50
STOP	2.4	0	5.1	2.5	4.7	4.3	3.0	4.3	3.0	3.0
REC	2.5	0	5.1	3.0	4.3	3.6	4.0	3.6	3.7	3.7
F.F	2.4	0	5.2	3.7	2.9	2.9	2.9	2.9	2.9	2.9
REF. NO.	IC2201									
MODE	51	52	53	54	55	56	57	58	59	60
STOP	3.0	2.5	4.0	3.8	3.6	2.6	2.5	2.7	3.6	5.1
REC	3.5	2.9	4.0	3.0	3.7	3.5	3.7	4.2	4.2	5.1
F.F	2.9	3.1	3.1	3.3	3.7	2.2	4.0	3.7	3.9	5.2
REF. NO.	IC2201									
MODE	61	62	63	64	65	66	67	68	69	70
STOP	5.1	5.1	0	0	0	0	0	5.1	5.1	5.1
REC	5.1	5.1	0	0	0	0	0	5.1	5.1	5.1
F.F	5.2	5.2	0	0	0	0	0	5.2	5.2	5.2
REF. NO.	IC2201									
MODE	71	72	73	74	75	76	77	78	79	80
STOP	0	0.9	0.9	0.8	0.9	4.1	4.6	3.8	4.7	4.7
REC	0	2.4	2.8	3.7	2.1	1.9	1.2	4.3	4.6	4.6
F.F	0	0.3	0.4	1.0	0.8	4.5	4.7	3.9	4.7	4.7
REF. NO.	IC2201									
MODE	81	82	83	84						
STOP	0	0	0.5	5.1						
REC	0	0	0.5	5.1						
F.F	0	0	0.5	5.2						

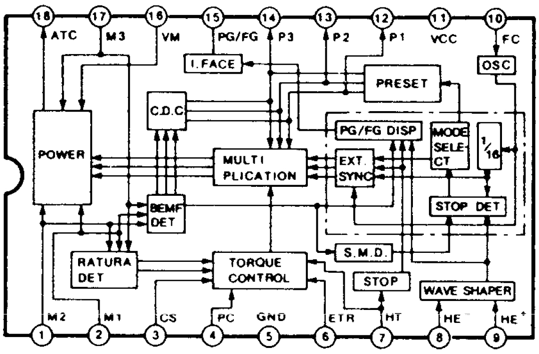
MOTOR DRIVE-1 SCHEMATIC DIAGRAM 9/11 (E3: Page CBA-5)


1
2
3
4
5
6
A
B
C
D
E
F
G
H
FROM SUB POWER
11/11 MD_GND
11/11 UNREG18V
11/11 M14V
MGND
18V
M14V
FROM M_DRIVE(2)
10/11 CAP_VM
CAPVM
FROM CYL
4/11 CYL_REF
4/11 CYL_PFG
4/11 CYL_ET
CYLREF
CYLPFG
CYLET
L2705
47U
VLQEL0ST470J
C2726
6V47
C2727
0.1(V)
C2728 0.1(V)
C2729 0.1(V)
C2730 0.1(V)
C2736
0.068(B)
D2741
MA4062-M
R2727
15(1/4W)
C2731
50V4R7(N)
R2740
0.68(1/2W)
ERX12SJR68P
IC2703
AN3815K
18 ATC
17 M3
16 VM
15 PFG
14 P3
13 P2
12 P1
11 Vcc
10 FC
M2 1
M1 2
SC 3
PC 4
GND 5
ETR 6
ET 7
HE- 8
HE+ 9
R2743
1200
D2719 11EQS04
D2718 11EQS04
R2738
15(1/4W)
C2732
50V4R7(N)
R2739
15(1/4W)
C2733
50V4R7(N)
R2729
1000
C2734
0.047(B)
C2735
6V47
D2742
MA4062-M
C2714
0.47(V)
R2862
3300
C2718
0.47(V)
R2863
3300
1A
TO CYLINDER MOTOR
P2701 VJP3078
M2 1
VH+ 2
HE+ 3
M3 4
5
CYL_GND 6
VM 7
8
HE- 9
M1 10
11/11 ASV
11/11 A_GND
ASV
AGND
FROM CAP(1)
7/11 TL_SW(L)
7/11 CAP_RSF
7/11 CAP_ET
TLSW.L
CAPRSF
CAPET
L2707
47U
VLQEL0ST470J
R2757
10K
C2754
6V47
C2755 1000P
R2759
22K
R2760 180K
IC2705
LM393PS
IC2706
LM358PS
R2761
10K
R2762
10K
R2758
220K
R2763
47K
HP1
HP2
FG.L
FG.H
FG1
FG2
R2773
10K
R2774
10K
R2781
10K
R2782
10K
R2783
220K
C2757 1000P
IC2709
LM393PS
R2775
47K
IC2707
LM393PS
IC2708
LM358PS
R2776 4700
C2758
50VR47(N)
R2779
10K
R2785
220K
R2784
10K
R2778
10K
R2777
330K
C2763
6V47
C2764
6V22
R2780 10K
R2786
10K

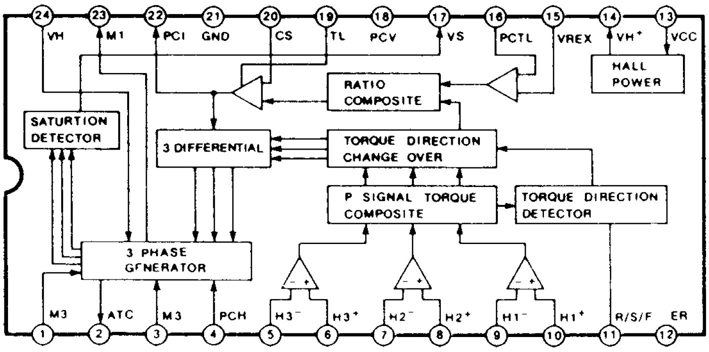

6
7
8
9
10
11
VR2701
NOT USED
R2798
R2797
D2743
MA723
CAPFB
TO M_DRIVE(2)
CAP_FB
10/11
R2799
0
VREF
TO SYSCON
V_REF
1/11
IC270
AN38
R2835
470
QR2701
MRN1404
IC2715
AN78N12
C2739
6V47
R2748
120K
C2740
25V47
R2747
10K
C2742
0.1(B)
C2741
0.033
C2737
0.01
C2738
16V47
TO CAPSTAN MOTOR
P2702
VJP3083
REG +12V
FG GND
FG1
M2
FG2
M1
H3-
VH-
H3+
H2-
H1-
H2+
H1+
VH+
M3
(R) 2
(W) 1
LJ1
R2743
1200
D2719
11EQS04
D2718
11EQS04
D2717
11EQS04
VM
M1
PcI
GND
CS
TL
PcV
VS
EC
ECR
VH+
Vcc
IC2704
XRA6435S
R2756
33
M3
ATC
M2
PF
H3-
H3+
H2-
H2+
H1-
H1+
R/S/F
GND
R2751
1K
C2747
0.033
C2748
0.033
C2749
0.033
C2750
0.033
R2752
33(1/4W)
R2753
33(1/4W)
R2755
0.47(1/2W)
ERX12SJR47P
R2754
33(1/4W)
C2744
50V2R2
C2745
50V2R2
C2746
50V2R2
C2751
0.01
C2752
0.01
C2753
0.01
IC270
XRA6
VH
SATUR
DETEC
POW
R2761
10K
R2762
10K
R2763
47K
R2764
47K
R2765
10K
IC2705
LM393PS
R2766
220K
R2767
22K
C2756
1000P
R2768
180K
R2769
10K
IC2706
LM358PS
R2770
10K
R2771
47K
R2772
47K
FG.L
FG.H
FG1
FG2
HP1
HP2
TO CAP(1)
CAP_FG(L)
CAP_FG(H)
CAP_FG1
CAP_FG2
CAP_HP1
CAP_HP2
7/11
R2782
10K
R2783
220K
IC2709
LM393PS
C2758
50VR47(N)
D2720
MA153
R2787
10K
R2788
47K
IC2710
UPC4556G
C2760
50V2R2(N)
R2789
4700
C2761
100P
R2790
33K
IC2711
UPC4556G
R2791
3300
C2762
50V2R2
(W) 1
2(R)
LJ1
C2770
1000P
R2785
220K
C2759
220P
R2784
10K
R2786
10K
R2792
10K
C2765
220P
D2722
MA153
R2793
47K
C2766
50V2R2(N)
R2794
4700
C2767
100P
R2795
33K
R2796
3300
C2768
50V2R2
C2769
1000P
=INPUT SIGNAL
=OUTPUT SIGNAL

Ref No.2700 Series.

IC2703
AN3815K


18 ATC
17 M3
16 VM
15 PG/FG
14 P3
13 P2
12 P1
11 VCC
10 FC
I.FACE
PRESET
OSC
C.D.C
POWER
MULTI PLICATION
PG/FG DISP
MODE SELECT
1/16
EXT. SYNC
STOP DET
BEMF DET
S.M.D.
RATURA DET
TORQUE CONTROL
STOP
WAVE SHAPER
M2 1
M1 2
CS 3
PC 4
GND 5
ETR 6
HT 7
HE⁻ 8
HE⁺ 9

IC2704
XRA6435S


24 VH
23 M1
22 PCI
21 GND
20 CS
19 TL
18 PCV
17 VS
16 PCTL
15 VREX
14 VH⁺
13 VCC
HALL POWER
RATIO COMPOSITE
SATURTION DETECTOR
3 DIFFERENTIAL
TORQUE DIRECTION CHANGE OVER
P SIGNAL TORQUE COMPOSITE
TORQUE DIRECTION DETECTOR
3 PHASE GENERATOR
M3 1
ATC 2
M3 3
PCH 4
H3⁻ 5
H3⁺ 6
H2⁻ 7
H2⁺ 8
H1⁻ 9
H1⁺ 10
R/S/F 11
ER 12

MOTOR DRIVE-1 DC VOLTAGE CHART

REF. NO.	IC2703									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	14.7	14.7	0.4	1.1	0	2.5	2.4	0.6	0.5	2.6
REC	14.7	14.7	0.4	1.1	0	2.5	2.4	0.6	0.5	2.6
F.F	14.7	14.8	0.4	1.1	0	2.5	2.4	0.6	0.5	2.6

REF. NO.	IC2703									
MODE	11	12	13	14	15	16	17	18		
STOP	5.0	3.6	3.6	3.6	1.1	14.9	14.7	0.1		
REC	5.0	3.6	3.6	3.6	1.1	15.0	14.7	0.1		
F.F	5.0	3.6	3.6	3.6	1.1	14.9	14.7	0.1		

REF. NO.	IC2704									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	2.0	0	2.0	1.4	1.9	1.9	1.9	1.9	1.9	1.9
REC	0.9	0	0.9	1.4	1.9	1.9	1.9	1.9	1.9	1.9
F.F	1.9	0	2.0	1.4	1.9	1.9	1.9	1.9	1.9	1.9

REF. NO.	IC2704									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	5.1	0	4.7	3.4	2.4	2.4	2.7	0	0	0
REC	0	0	4.7	3.4	2.4	2.1	2.8	0.6	0.4	0.1
F.F	0	0	4.7	3.4	2.4	2.4	2.7	0	0	0

REF. NO.	IC2704									
MODE	21	22	23	24						
STOP	0	0	1.8	4.0						
REC	0	0.7	0.7	4.0						
F.F	0	0	1.8	4.0						

REF. NO.	IC2705									
MODE	1	2	3	4	5	6	7	8		
STOP	0	3.2	1.7	0	1.7	2.0	0	5.0		
REC	2.6	2.0	2.0	0	2.0	2.0	2.6	5.0		
F.F	5.0	0.6	2.2	0	1.7	3.5	0	5.0		

REF. NO.	IC2706									
MODE	1	2	3	4	5	6	7	8		
STOP	3.2	1.9	1.9	0	1.9	1.9	2.0	5.0		
REC	2.0	1.9	1.9	0	1.9	1.9	2.0	5.0		
F.F	0.6	1.9	1.9	0	1.9	1.9	3.5	5.0		

REF. NO.	IC2707									
MODE	1	2	3	4	5	6	7	8		
STOP	2.1	2.5	2.5	0	2.4	2.5	0	5.0		
REC	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
F.F	2.1	2.5	2.5	0	2.5	2.5	0	5.0		

REF. NO.	IC2708									
MODE	1	2	3	4	5	6	7	8		
STOP	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
REC	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
F.F	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		

REF. NO.	IC2709									
MODE	1	2	3	4	5	6	7	8		
STOP	5.0	2.5	2.4	0	2.4	2.5	4.5	5.0		
REC	2.3	2.5	2.5	0	2.5	2.5	2.3	5.0		
F.F	0.1	2.5	2.4	0	2.4	2.5	4.5	5.0		

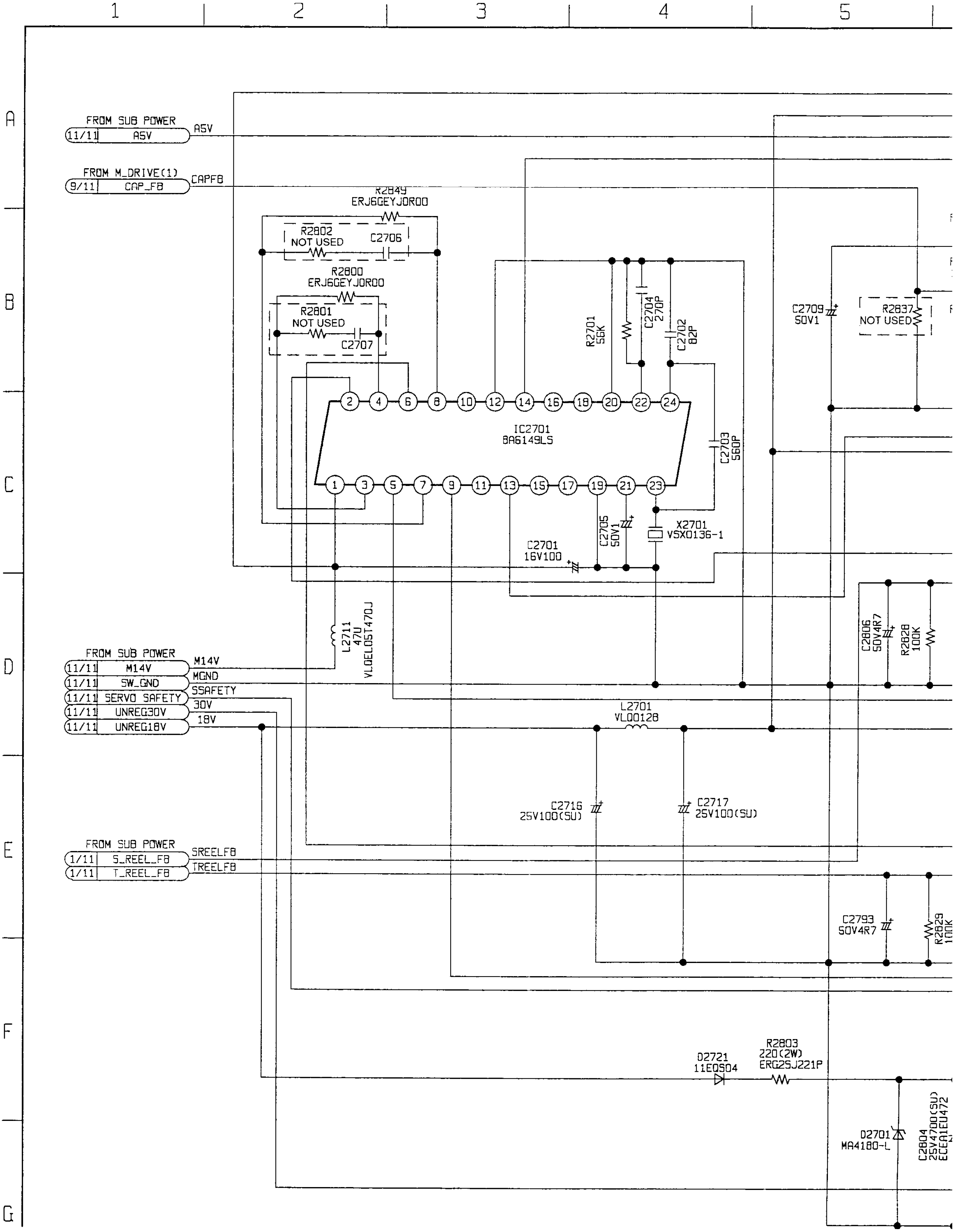
REF. NO.	IC2710									
MODE	1	2	3	4	5	6	7	8		
STOP	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
REC	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
F.F	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		

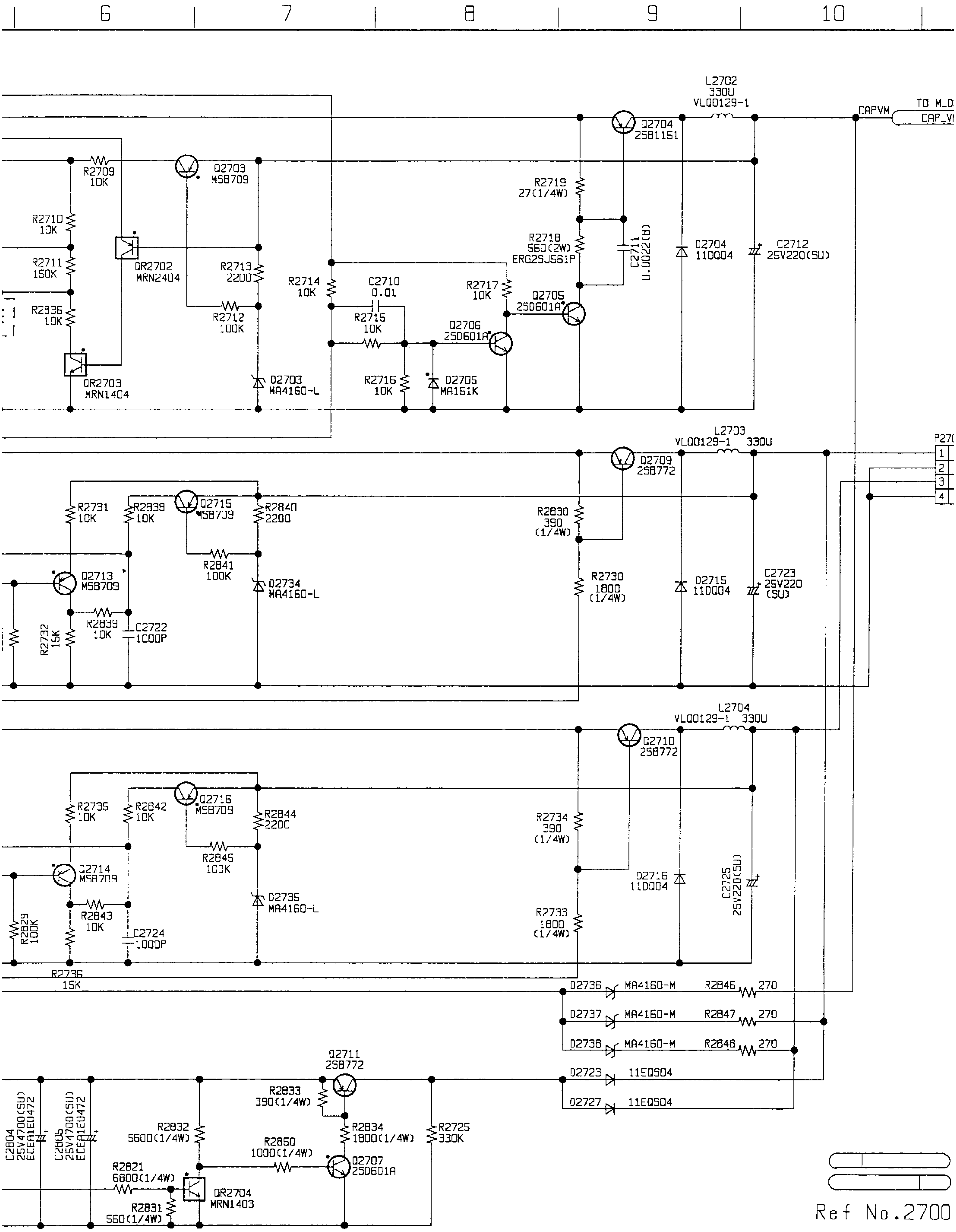
REF. NO.	IC2711									
MODE	1	2	3	4	5	6	7	8		
STOP	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
REC	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		
F.F	2.5	2.5	2.5	0	2.5	2.5	2.5	5.0		

REF. NO.	IC2715									
MODE	I	G	O							
STOP	18.4	0	12.0							
REC	18.4	0	12.0							
F.F	18.3	0	12.0							

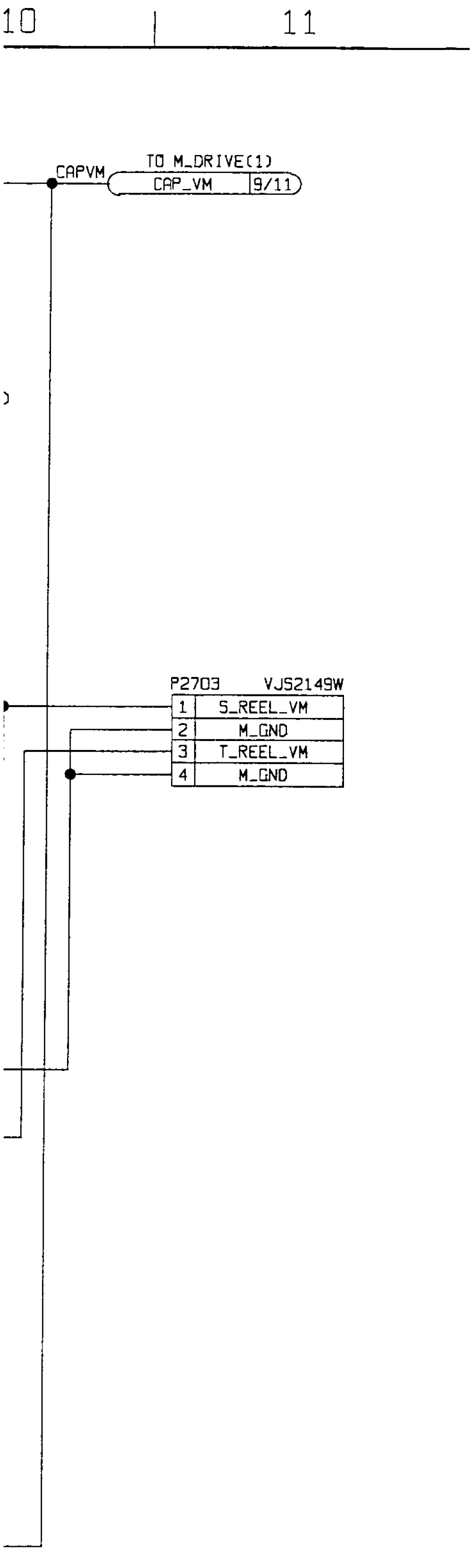
REF. NO.	QR2701									
MODE	E	C	B							
STOP	0	0	5.1							
REC	0	0.4	0							
F. F.	0	0	5.2							

MOTOR DRIVE-2 SCHEMATIC DIAGRAM 10/11 (E3: Page CBA-5)


1
2
3
4
5
A
B
C
D
E
F
G
FROM SUB POWER
11/11 A5V
A5V
FROM M_DRIVE(1)
9/11 CAP_FB
CAPFB
R2849
ERJ6GEYJ0R00
R2802
NOT USED
C2706
R2800
ERJ6GEYJ0R00
R2801
NOT USED
C2707
R2701
56K
C2704
270P
C2702
82P
C2709
50V1
R2837
NOT USED
IC2701
BA6149LS
C2703
560P
C2705
50V1
X2701
VSX0136-1
C2701
16V100
L2711
47U
VL0EL05T470J
FROM SUB POWER
11/11 M14V
11/11 SW_GND
11/11 SERVO SAFETY
11/11 UNREG30V
11/11 UNREG18V
M14V
MGND
SSAFETY
30V
18V
L2701
VL00128
C2716
25V100(SU)
C2717
25V100(SU)
C2806
50V4R7
R2828
100K
FROM SUB POWER
1/11 S_REEL_FB
1/11 T_REEL_FB
SREELFB
TREELFB
C2793
50V4R7
R2829
100K
D2721
11EQS04
R2803
220(2W)
ERG2SJ221P
D2701
MA4180-L
C2804
25V4700(SU)
ECEA1EU472


6
7
8
9
10
L2702
330U
VLQ0129-1
CAPVM
TO M_D
CAP_V
Q2704
2SB1151
R2709
10K
Q2703
MSB709
R2719
27(1/4W)
R2710
10K
R2718
560(2W)
ERG2SJ561P
C2711
0.0022(B)
D2704
11DQ04
C2712
25V220(SU)
R2711
150K
QR2702
MRN2404
R2713
2200
R2714
10K
C2710
0.01
R2717
10K
Q2705
2SD601A
R2836
10K
R2712
100K
R2715
10K
Q2706
2SD601A
QR2703
MRN1404
D2703
MA4160-L
R2716
10K
D2705
MA151K
L2703
VLQ0129-1
330U
P27
1
2
3
4
Q2709
2SB772
R2731
10K
R2838
10K
Q2715
MSB709
R2840
2200
R2830
390
(1/4W)
R2841
100K
Q2713
MSB709
D2734
MA4160-L
R2730
1800
(1/4W)
D2715
11DQ04
C2723
25V220
(SU)
R2839
10K
C2722
1000P
R2732
15K
L2704
VLQ0129-1
330U
Q2710
2SB772
R2735
10K
R2842
10K
Q2716
MSB709
R2844
2200
R2734
390
(1/4W)
R2845
100K
Q2714
MSB709
D2716
11DQ04
C2725
25V220(SU)
D2735
MA4160-L
R2843
10K
R2829
100K
C2724
1000P
R2733
1800
(1/4W)
R2736
15K
D2736
MA4160-M
R2846
270
D2737
MA4160-M
R2847
270
D2738
MA4160-M
R2848
270
Q2711
2SB772
D2723
11EQS04
R2833
390(1/4W)
D2727
11EQS04
C2804
25V4700(SU)
ECEA1EU472
C2805
25V4700(SU)
ECEA1EU472
R2832
5600(1/4W)
R2834
1800(1/4W)
R2725
330K
R2850
1000(1/4W)
Q2707
2SD601A
R2821
6800(1/4W)
QR2704
MRN1403
R2831
560(1/4W)

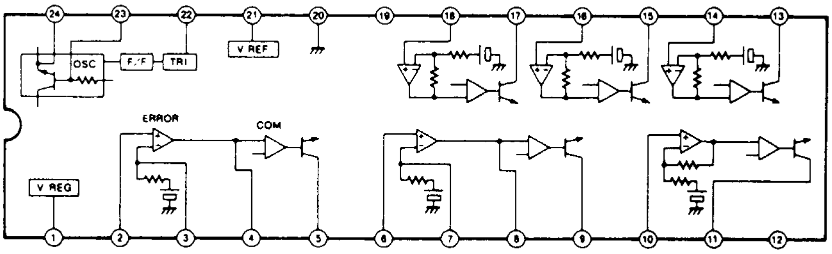
Ref No.2700


10
11
CAPVM
TO M_DRIVE(1)
CAP_VM
9/11
P2703 VJS2149W
1 S_REEL_VM
2 M_GND
3 T_REEL_VM
4 M_GND

MOTOR DRIVE-2 DC VOLTAGE CHART

REF. NO.	IC2701									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	14.9	2.9	3.3	3.0	18.9	2.9	3.2	3.2	18.0	0
REC	14.9	2.9	3.3	3.0	18.1	2.9	2.9	2.9	17.8	0.1
F.F	14.9	2.8	2.9	2.9	17.8	2.7	2.7	2.7	12.3	0.1
REF. NO.	IC2701									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	0	0	6.1	2.7	0.5	0	0.5	0	0	0
REC	0.1	0	2.1	2.8	0.5	0.1	0.5	0.1	0	0
F.F	0.1	0	6.1	2.7	0.5	0.1	0.5	0.1	0	0
REF. NO.	IC2701									
MODE	21	22	23	24						
STOP	2.6	2.5	2.9	2.7						
REC	2.6	2.5	2.9	2.7						
F.F	2.6	2.5	2.9	2.8						
REF. NO.	Q2703			Q2704			Q2705			
MODE	E	C	B	E	C	B	E	C	B	
STOP	4.0	2.8	4.0	17.9	4.0	17.7	0	17.4	0	
REC	4.0	2.8	4.0	17.9	12.4	17.7	0	16.8	0.1	
F.F.	4.0	2.8	4.0	17.9	4.0	17.7	0	17.1	0	
REF. NO.	Q2706			Q2707			Q2709			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	0.2	0.7	0	17.0	0.1	17.8	5.5	17.3	
REC	0	0.1	0.5	0	17.0	0.1	17.9	11.8	17.7	
F.F.	0	0	0.7	0	16.7	0.1	17.8	17.0	17.3	
REF. NO.	Q2710			Q2711			Q2713			
MODE	E	C	B	E	C	B	E	C	B	
STOP	17.8	5.6	17.4	17.5	1.2	17.5	2.9	2.9	2.4	
REC	17.9	11.9	17.7	17.0	2.9	17.0	3.0	3.0	2.4	
F.F.	17.8	7.1	17.4	17.0	2.0	17.0	3.6	2.8	3.3	
REF. NO.	Q2714			Q2715			Q2716			
MODE	E	C	B	E	C	B	E	C	B	
STOP	2.9	2.9	2.4	5.2	2.9	4.9	5.1	2.9	4.9	
REC	3.7	2.9	3.1	4.9	2.9	4.8	4.9	2.8	4.8	
F.F.	5.3	2.7	4.5	15.3	2.9	15.9	13.0	2.7	11.0	
REF. NO.	QR2702			QR2703			QR2704			
MODE	E	C	B	E	C	B	E	C	B	
STOP	5.0	1.4	4.0	0	1.6	1.2	0	0.1	2.4	
REC	5.0	1.4	4.0	0	1.6	1.4	0	0.1	2.5	
F.F.	5.0	1.2	4.0	0	1.8	1.2	0	0.1	2.4	

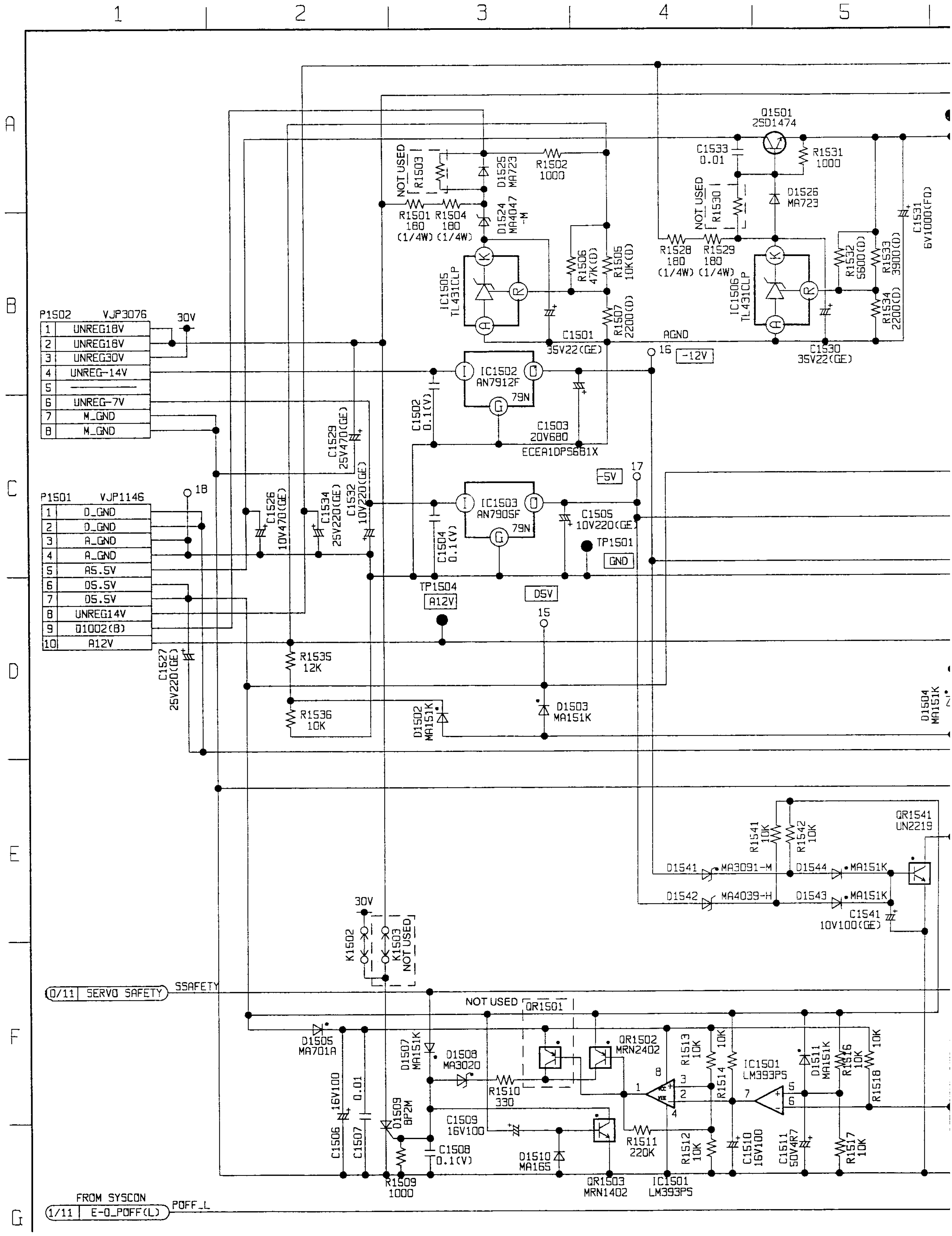
IC2701
BA6149LS

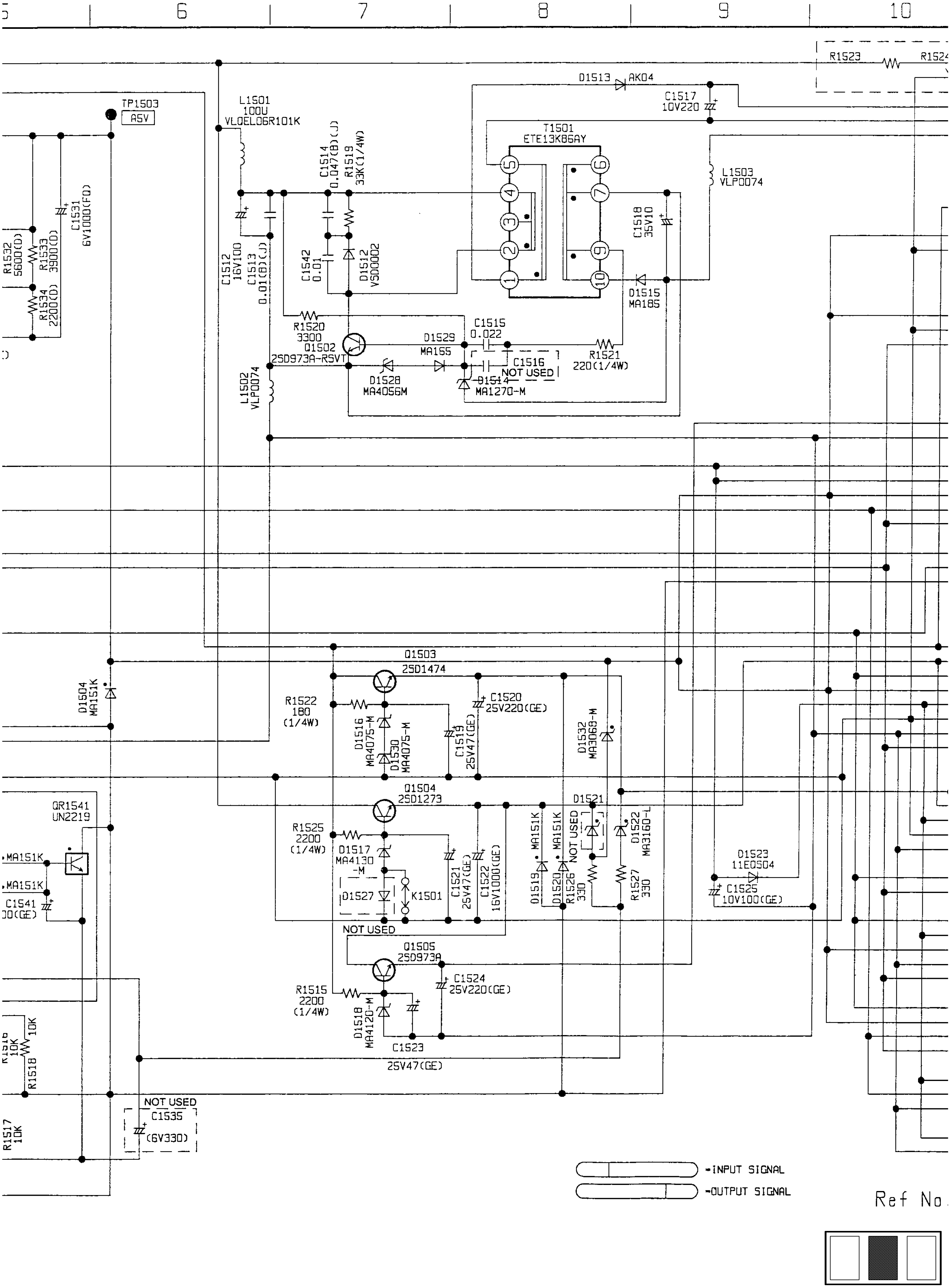

24
23
22
21
20
19
18
17
16
15
14
13
OSC
F/F
TRI
V REF
ERROR
COM
V REG
1
2
3
4
5
6
7
8
9
10
11
12

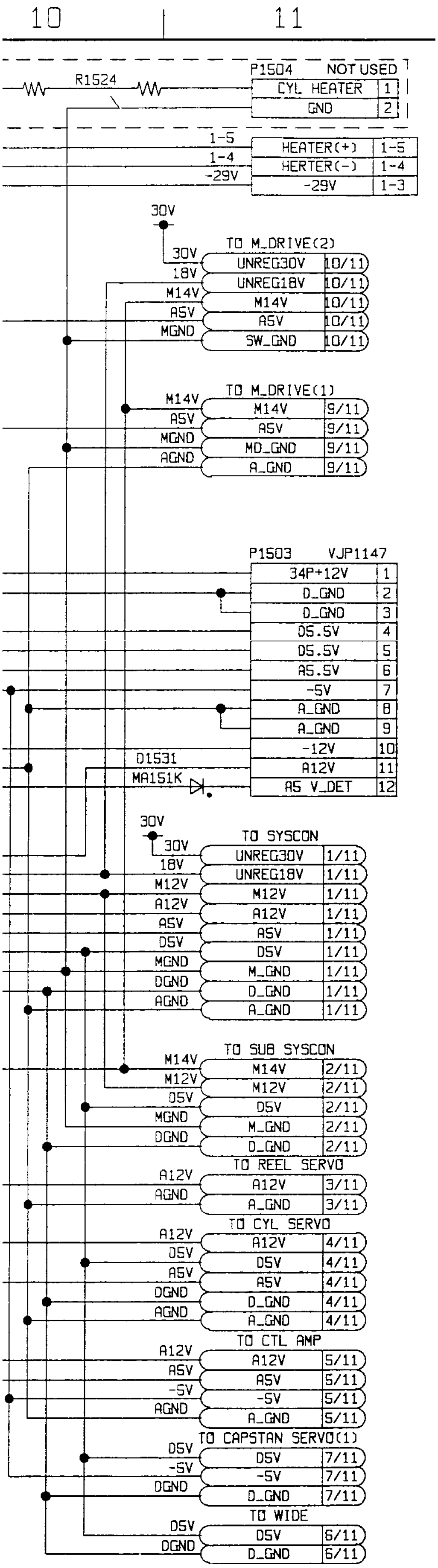
-INPUT SIGNAL
-OUTPUT SIGNAL

ef No.2700 Series.

SUB POWER SCHEMATIC DIAGRAM 11/11 (E3: Page CBA-5)


1
2
3
4
5
A
B
C
D
E
F
G
P1502 VJP3076
1 UNREG18V
2 UNREG18V
3 UNREG30V
4 UNREG-14V
5
6 UNREG-7V
7 M_GND
8 M_GND
30V
P1501 VJP1146
1 D_GND
2 D_GND
3 A_GND
4 A_GND
5 A5.5V
6 D5.5V
7 D5.5V
8 UNREG14V
9 D1002(B)
10 A12V
18
NOT USED
R1503
D1525 MA723
R1502 1000
R1501 180 (1/4W)
R1504 180 (1/4W)
D1524 MA4047 -M
IC1505 TL431CLP
K
R
A
R1506 47K(D)
R1505 10K(D)
R1507 2200(D)
C1501 35V22(GE)
Q1501 2SD1474
C1533 0.01
R1531 1000
NOT USED
R1530
D1526 MA723
R1528 180 (1/4W)
R1529 180 (1/4W)
IC1506 TL431CLP
R1532 5600(D)
R1533 3900(D)
R1534 2200(D)
C1531 6V1000(FQ)
C1530 35V22(GE)
AGND
16
-12V
IC1502 AN7912F
79N
I
O
G
C1502 0.1(V)
C1503 20V680
ECEA1DPS681X
C1529 25V470(GE)
-5V
17
IC1503 AN7905F
79N
C1504 0.1(V)
C1505 10V220(GE)
TP1501
GND
C1526 10V470(GE)
C1534 25V220(GE)
C1532 10V220(GE)
TP1504
A12V
D5V
15
C1527 25V220(GE)
R1535 12K
R1536 10K
D1502 MA151K
D1503 MA151K
D1504 MA151K
R1541 10K
R1542 10K
QR1541 UN2219
D1541 MA3091-M
D1544 MA151K
D1542 MA4039-H
D1543 MA151K
C1541 10V100(GE)
30V
K1502
K1503 NOT USED
0/11 SERVO SAFETY
SSAFETY
NOT USED
QR1501
QR1502 MRN2402
D1505 MA701A
D1507 MA151K
D1508 MA3020
R1510 330
8
1
3
2
4
R1513 10K
R1514 10K
IC1501 LM393PS
7
5
6
D1511 MA151K
R1516 10K
R1518 10K
C1506 16V100
C1507 0.01
D1509 BP2M
C1509 16V100
C1508 0.1(V)
R1511 220K
R1512 10K
C1510 16V100
C1511 50V4R7
R1517 10K
D1510 MA165
R1509 1000
QR1503 MRN1402
IC1501 LM393PS
FROM SYSCON
1/11 E-O_POFF(L)
POFF_L


6
7
8
9
10
R1523
TP1503
A5V
L1501
100U
VLQEL06R101K
D1513
AK04
C1517
10V220
T1501
ETE13K86AY
L1503
VLP0074
C1514
0.047(B)(J)
R1519
33K(1/4W)
C1531
6V1000(FQ)
R1532
5600(D)
R1533
3900(D)
R1534
2200(D)
C1512
16V100
C1513
0.01(B)(J)
C1542
0.01
D1512
VSD0002
C1518
35V10
D1515
MA185
R1520
3300
Q1502
2SD973A-RSVT
D1529
MA165
C1515
0.022
C1516
NOT USED
R1521
220(1/4W)
D1528
MA4056M
D1514
MA1270-M
L1502
VLP0074
Q1503
2SD1474
R1522
180
(1/4W)
D1516
MA4075-M
D1530
MA4075-M
C1519
25V47(GE)
C1520
25V220(GE)
D1532
MA3068-M
D1504
MA151K
QR1541
UN2219
MA151K
MA151K
C1541
(GE)
Q1504
2SD1273
R1525
2200
(1/4W)
D1517
MA4130
-M
D1527
K1501
C1521
25V47(GE)
C1522
16V1000(GE)
D1519
MA151K
D1520
MA151K
NOT USED
R1526
330
D1521
D1522
MA3160-L
R1527
330
D1523
11EQS04
C1525
10V100(GE)
NOT USED
Q1505
2SD973A
C1524
25V220(GE)
R1515
2200
(1/4W)
D1518
MA4120-M
C1523
25V47(GE)
R1516
10K
R1518
10K
NOT USED
C1535
(6V330)
R1517
10K
-INPUT SIGNAL
-OUTPUT SIGNAL
Ref No.

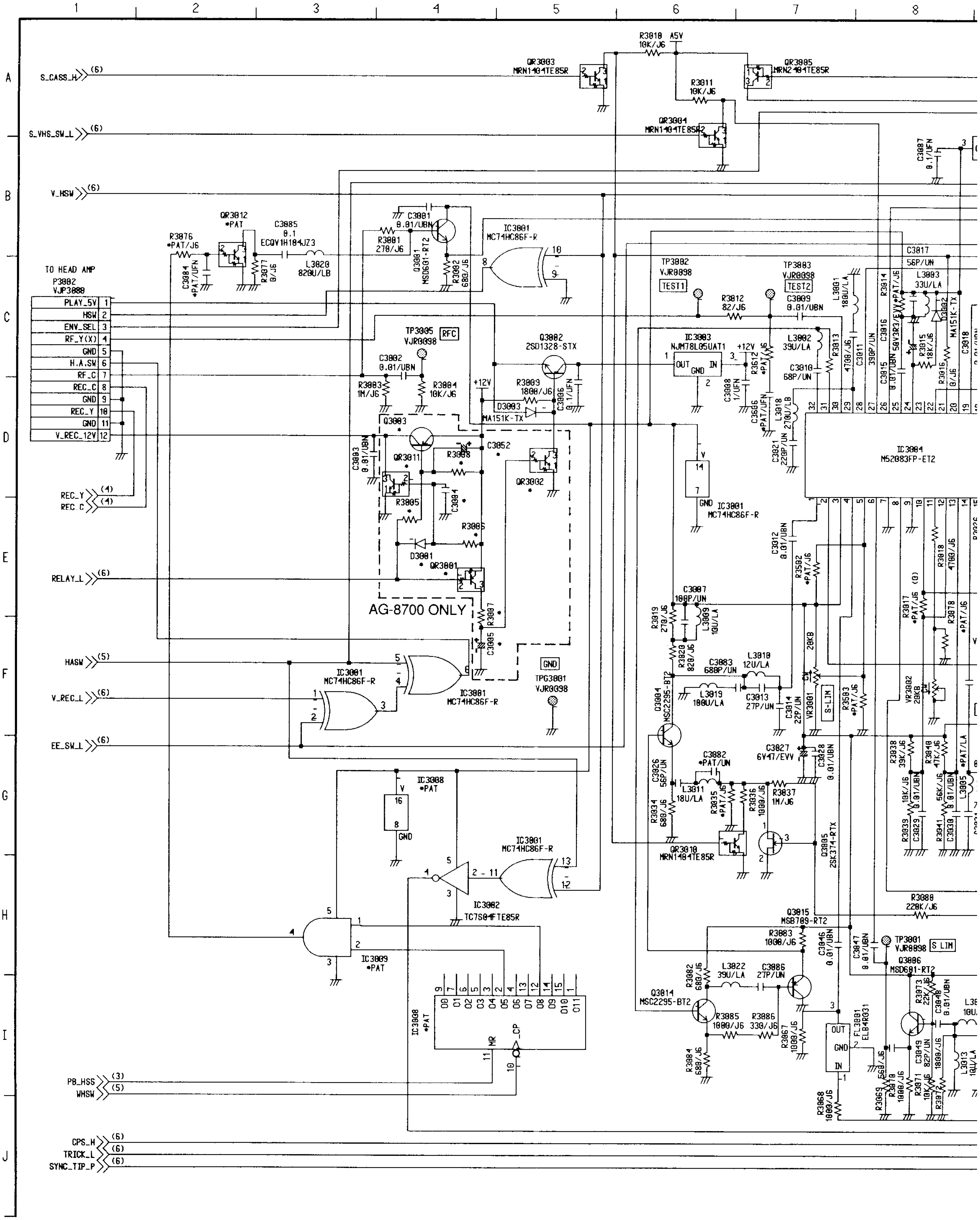

10
11
R1524
P1504
NOT USED
CYL HEATER 1
GND 2
1-5
1-4
-29V
HEATER(+) 1-5
HERTER(-) 1-4
-29V 1-3
30V
TO M_DRIVE(2)
30V UNREG30V 10/11
18V UNREG18V 10/11
M14V M14V 10/11
A5V A5V 10/11
MGND SW_GND 10/11
TO M_DRIVE(1)
M14V M14V 9/11
A5V A5V 9/11
MGND MD_GND 9/11
AGND A_GND 9/11
P1503 VJP1147
34P+12V 1
D_GND 2
D_GND 3
D5.5V 4
D5.5V 5
A5.5V 6
-5V 7
A_GND 8
A_GND 9
-12V 10
A12V 11
A5 V_DET 12
D1531
MA151K
30V
TO SYSCON
30V UNREG30V 1/11
18V UNREG18V 1/11
M12V M12V 1/11
A12V A12V 1/11
A5V A5V 1/11
D5V D5V 1/11
MGND M_GND 1/11
DGND D_GND 1/11
AGND A_GND 1/11
TO SUB SYSCON
M14V M14V 2/11
M12V M12V 2/11
D5V D5V 2/11
MGND M_GND 2/11
DGND D_GND 2/11
TO REEL SERVO
A12V A12V 3/11
AGND A_GND 3/11
TO CYL SERVO
A12V A12V 4/11
D5V D5V 4/11
A5V A5V 4/11
DGND D_GND 4/11
AGND A_GND 4/11
TO CTL AMP
A12V A12V 5/11
A5V A5V 5/11
-5V -5V 5/11
AGND A_GND 5/11
TO CAPSTAN SERVO(1)
D5V D5V 7/11
-5V -5V 7/11
DGND D_GND 7/11
TO WIDE
D5V D5V 6/11
DGND D_GND 6/11

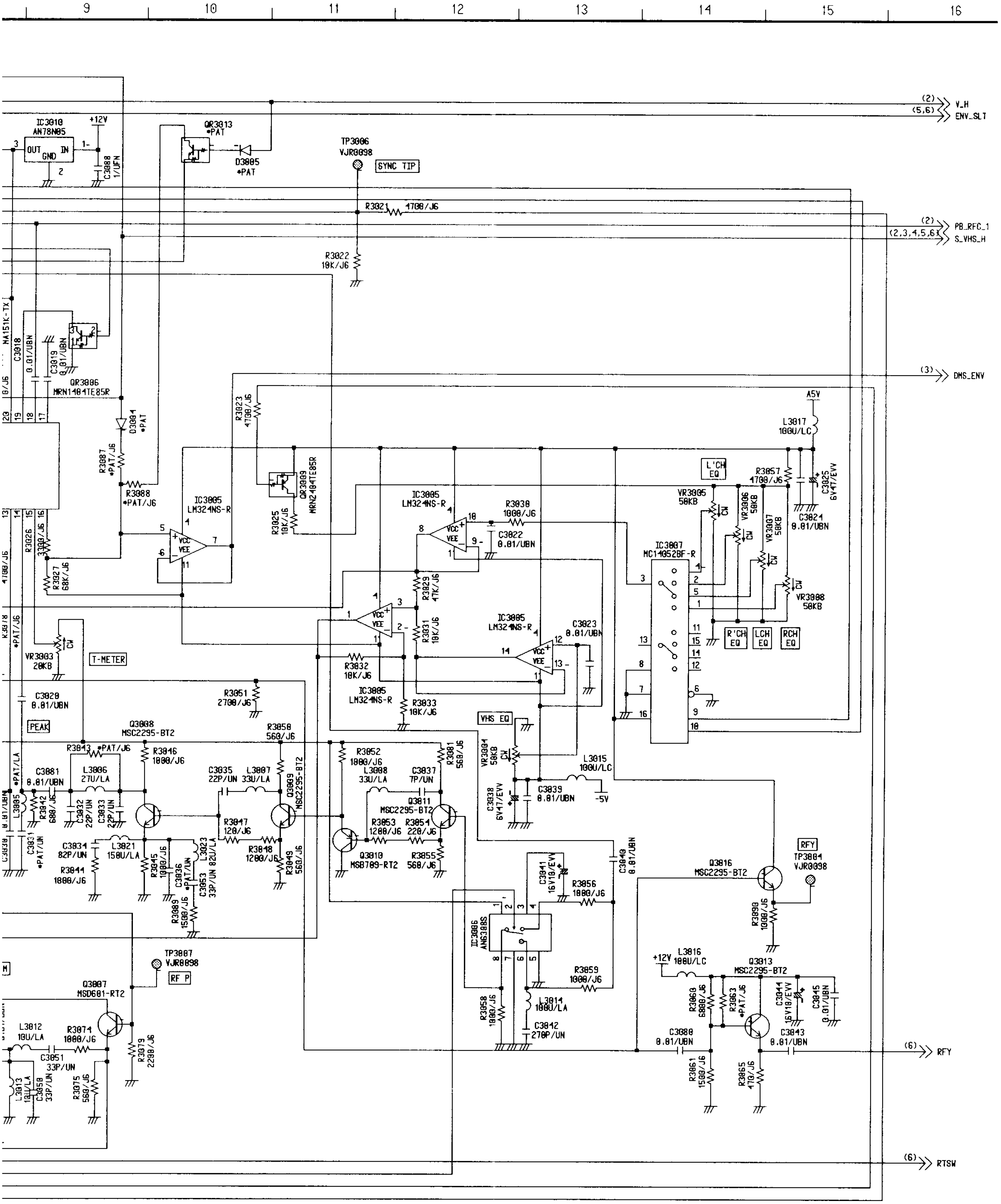
Ref No.1500 Serise.

SUB POWER DC VOLTAGE CHART

REF. NO.	IC1501									
MODE	1	2	3	4	5	6	7	8		
STOP	5.3	0.1	2.7	0	2.7	5.3	0.1	5.3		
REC	5.2	0.1	2.7	0	2.7	5.3	0.1	5.3		
F.F	5.3	0.1	2.7	0	2.7	5.3	0.1	5.3		
REF. NO.	IC1502					IC1503				
MODE	G	I	O			G	I	O		
STOP	0	−13.7	−12.2			0	−7.0	−5.0		
REC	0	−13.7	−12.2			0	−7.0	−5.0		
F.F	0	−13.7	−12.2			0	−6.9	−5.0		
REF. NO.	IC1505					IC1506				
MODE	K	A	R			K	A	R		
STOP	7.7	0	2.5			5.9	0	2.5		
REC	7.7	0	2.5			5.9	0	2.5		
F.F	7.7	0	2.5			5.9	0	2.5		
REF. NO.	Q1501			Q1502			Q1503			
MODE	E	C	B	E	C	B	E	C	B	
STOP	5.1	5.4	5.7	0	1.6	−3.0	14.8	18.3	15.4	
REC	5.1	5.4	5.7	0	1.5	−3.0	15.0	18.5	15.5	
F.F.	5.1	5.4	5.7	0	1.5	−2.8	15.0	18.1	15.4	
REF. NO.	Q1504			Q1505						
MODE	E	C	B	E	C	B				
STOP	13.0	13.6	13.5	12.0	13.0	12.3				
REC	13.0	13.4	13.5	12.0	12.9	12.3				
F.F.	13.0	13.5	13.5	12.0	12.9	12.3				
REF. NO.	QR1502			QR1503			QR1541			
MODE	E	C	B	E	C	B	E	C	B	
STOP	5.5	0	5.2	0	0	0	0	5.3	0	
REC	5.5	0	5.2	0	0	0	0	5.3	0	
F.F.	5.5	0	5.2	0	0	0	0	5.3	0	

VIDEO I/O-1 SCHEMATIC DIAGRAM 1/7 (E5: Page CBA-8)


S_CASS_H (6)
S_VHS_SW_L (6)
V_HSW (6)
TO HEAD AMP
P3002
VJP3089
PLAY_5V 1
HSW 2
ENV_SEL 3
RF_Y(X) 4
GND 5
H.A.SW 6
RF_C 7
REC_C 8
GND 9
REC_Y 10
GND 11
V_REC_12V 12
REC_Y (4)
REC_C (4)
RELAY_L (6)
HASW (5)
V_REC_L (6)
EE_SW_L (6)
PB_HSS (3)
WHSW (5)
CPS_H (6)
TRICK_L (6)
SYNC_TIP_P (6)
R3010 10K/J6 A5V
QR3003 MRN1404TE85R
QR3005 MRN2404TE85R
R3011 10K/J6
QR3004 MRN1404TE85R
QR3012 *PAT
R3076 *PAT/J6
C3084 *PAT/UFN
R3077 0/J6
C3085 0.1 ECQV1H104JZ3
L3020 820U/LB
C3001 0.01/UBN
R3001 270/J6
Q3001 MSD601-RT2
R3002 680/J6
IC3001 MC74HC86F-R
TP3002 VJR0098 TEST1
TP3003 VJR0098 TEST2
R3012 82/J6
C3009 0.01/UBN
IC3003 NJM78L05UAT1
+12V
L3002 39U/LA
R3612 *PAT/J6
C3010 68P/UN
C3008 1/UFN
C3606 *PAT/UFN
L3018 270U/LB
C3021 220P/UN
TP3005 VJR0098 RFC
C3002 0.01/UBN
R3003 1M/J6
R3004 10K/J6
Q3002 2SD1328-STX
R3009 1000/J6
C3006 1/UFN
D3003 MA151K-TX
Q3003
QR3011
R3008
C3052
QR3002
C3003 0.01/UBN
R3005
C3004
R3006
D3001
QR3001
AG-8700 ONLY
R3007
C3005
TPG3001 VJR0098 GND
IC3004 M52083FP-ET2
L3001 100U/LA
C3011 4700/J6
R3013
C3016 390P/UN
C3015 0.01/UBN
R3014 *PAT/J6
C3017 56P/UN
L3003 33U/LA
D3002 MA151K-TX
C3007 0.1/UFN
R3015 18K/J6
R3016 0/J6
C3018
C3012 0.01/UBN
R3502 *PAT/J6
C3087 100P/UN
R3019 270/J6
L3009 10U/LA
R3020 820/J6
C3083 680P/UN
L3010 12U/LA
L3019 100U/LA
C3013 27P/UN
C3014 22P/UN
VR3001 20KB
S-LIM
R3503 *PAT/J6
Q3004 2SC2295-BT2
C3026 56P/UN
C3082 *PAT/UN
C3027 6V47/EVV
C3028 0.01/UBN
L3011 18U/LA
R3034 680/J6
R3035 *PAT/J6
R3036 1000/J6
R3037 1M/J6
QR3010 MRN1404TE85R
Q3005 2SK374-RTX
R3017 *PAT/J6
R3018 4700/J6
R3078 *PAT/J6
VR3002 20KB
R3038 39K/J6
R3040 47K/J6
R3039 10K/J6
C3029 0.01/UBN
R3041 56K/J6
C3030 0.01/UBN
C3065 *PAT/LA
IC3008 *PAT
IC3001 MC74HC86F-R
IC3002 TC7S04FTE85R
IC3009 *PAT
IC3008 *PAT
Q0 Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11
MR CP
R3080 220K/J6
Q3015 MSB709-RT2
R3083 1000/J6
C3046 0.01/UBN
TP3001 VJR0098 S LIM
C3047 0.01/UBN
Q3006 MSD601-RT2
R3082 680/J6
L3022 39U/LA
C3086 27P/UN
Q3014 MSC2295-BT2
R3085 1000/J6
R3086 330/J6
R3067 1000/J6
R3084 680/J6
FL3001 ELB4R031
OUT GND IN
R3068 1000/J6
R3069 560/J6
R3070 1000/J6
R3071 10K/J6
C3049 82P/UN
R3073 22K/J6
C3048 0.01/UBN
L3013 10U/LA
A B C D E F G H I J
1 2 3 4 5 6 7 8


9
10
11
12
13
14
15
16
(2) V_H
(5,6) ENV_SLT
IC3010
AN78N05
+12V
OUT
GND
IN
3
1
2
C3008
1/UFN
QR3013
*PAT
D3005
*PAT
TP3006
VJR0098
SYNC TIP
R3021 4700/J6
R3022
10K/J6
(2) PB_RFC_1
(2,3,4,5,6) S_VHS_H
NA151K-TX
C3018
0.01/UBN
C3019
0.01/UBN
QR3006
MRN1404TE85R
(3) DMS_ENV
A5V
L3017
100U/LC
D3004
*PAT
R3023
4700/J6
QR3009
MRN2404TE85R
R3007
*PAT/J6
R3008
*PAT/J6
IC3005
LM324NS-R
R3025
10K/J6
R3026
3300/J6
R3027
68K/J6
R3030
1000/J6
C3022
0.01/UBN
L'CH EQ
R3057
4700/J6
C3025
6V47/EVV
C3024
0.01/UBN
VR3005
50KB
VR3006
50KB
VR3007
50KB
VR3008
50KB
CW
IC3007
MC14052BF-R
R3029
47K/J6
R3031
10K/J6
R3032
10K/J6
R3033
10K/J6
C3023
0.01/UBN
R'CH EQ
LCH EQ
RCH EQ
VR3003
20KB
T-METER
C3020
0.01/UBN
PEAK
R3051
2700/J6
Q3008
MSC2295-BT2
R3043 *PAT/J6
R3046
1000/J6
R3050
560/J6
R3052
1000/J6
R3081
560/J6
VHS EQ
VR3004
50KB
L3015
100U/LC
-5V
C3038
6V47/EVV
C3039
0.01/UBN
C3001
0.01/UBN
L3006
27U/LA
L3005
R3042
680/J6
C3032
22P/UN
C3033
22P/UN
C3035
22P/UN
L3007
33U/LA
Q3009
MSC2295-BT2
L3008
33U/LA
C3037
7P/UN
Q3011
MSC2295-BT2
R3047
120/J6
R3053
1200/J6
R3054
220/J6
C3034
82P/UN
L3021
150U/LA
R3048
1200/J6
Q3010
MSB709-RT2
R3055
560/J6
R3049
560/J6
R3044
1000/J6
C3031
*PAT/UN
R3045
1000/J6
C3036
*PAT/UN
L3023
82U/LA
C3053
33P/UN
R3089
1500/J6
C3040
0.01/UBN
C3041
16V10/EVV
R3056
1000/J6
RFY
TP3004
VJR0098
Q3016
MSC2295-BT2
R3090
1000/J6
IC3006
AN6308S
R3059
1000/J6
TP3007
VJR0098
RF P
Q3007
MSD601-RT2
L3016
100U/LC
+12V
Q3013
MSC2295-BT2
R3060
6800/J6
R3063
*PAT/J6
C3044
16V10/EVV
C3045
0.01/UBN
R3058
1000/J6
L3014
100U/LA
C3042
270P/UN
L3012
10U/LA
R3074
1000/J6
C3051
33P/UN
R3079
2200/J6
C3080
0.01/UBN
C3043
0.01/UBN
(6) RFY
L3013
10U/LA
C3050
33P/UN
R3075
560/J6
R3061
1500/J6
R3065
470/J6
(6) RTSW

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.3000 Series.

(2) V_H
(5,6) ENV_SLT

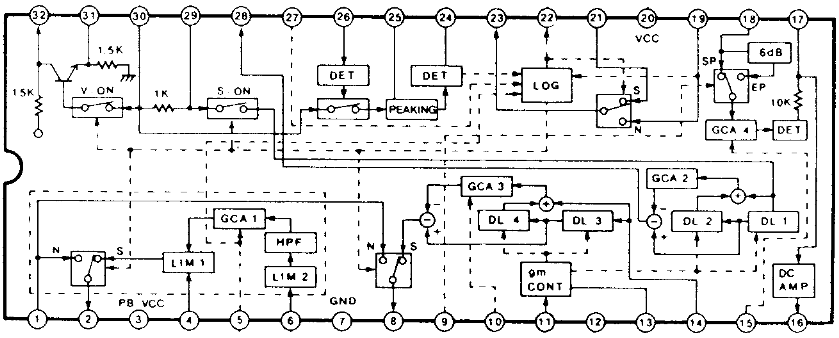
(2) PB_RFC_1
(2,3,4,5,6) S_VHS_H

(3) DMS_ENV

VIDEO I/O-1 DC VOLTAGE CHART

REF. NO.	IC3001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	3.7	0	5.0	5.0	0	5.0	0	2.5	0	2.5	2.5	2.5	0	5.0						
REC	0.1	0	0	0	0	0	0	2.5	0	2.5	2.5	2.5	0	5.0						
REF. NO.	IC3002										IC3003									
MODE	1	2	3	4	5						I	G	O							
STOP	0	2.5	0	2.5	5.0						11.5	0	5.1							
REC	0	2.5	0	2.5	5.0						11.5	0	5.1							
REF. NO.	IC3004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.7	2.2	5.0	3.1	2.4	2.8	0	2.2	0	1.4	2.9	1.1	2.7	3.9	2.2	0.6	3.3	3.0	2.5	5.0
REC	3.7	2.2	5.0	3.1	2.4	2.8	0	2.2	0	1.4	2.9	1.1	2.7	3.9	2.2	0.3	3.2	3.0	2.5	5.0
REF. NO.	IC3004																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32								
STOP	0	4.9	0.2	2.8	3.9	0.2	4.9	2.7	2.8	3.6	0	5.0								
REC	0.1	4.9	0.2	2.7	3.9	0.2	4.9	2.7	2.8	3.6	0	5.0								
REF. NO.	IC3005																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	−0.9	−0.4	−0.4	4.9	0.2	0.2	0.2	1.4	1.4	1.4	−5.0	−0.8	−0.8	−0.8						
REC	−0.9	−0.4	−0.4	4.9	0	0	0	1.4	1.4	1.4	−5.0	−0.8	−0.8	−0.8						
REF. NO.	IC3006																			
MODE	1	2	3	4	5	6	7	8												
STOP	5.0	4.2	2.5	2.6	0	2.6	0	2.5												
REC	5.0	4.2	2.5	2.6	0	2.6	0	2.5												
REF. NO.	IC3007																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	1.4	1.0	1.4	1.3	1.4	0	0	0	0	2.5	0.2	0.2	0.2	0.2	0.5	4.9				
REC	1.4	1.0	1.4	1.3	1.4	0	0	0	0	2.5	0	0	0	0	0	4.9				
REF. NO.	IC3010																			
MODE	I	G	O																	
STOP	11.5	0	5.0																	
REC	11.5	0	5.0																	
REF. NO.	Q3001			Q3002			Q3003			Q3004			Q3005			Q3006				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	S	G	D	E	C	B		
STOP	1.6	5.0	2.3	5.1	5.1	5.6	11.5	0	11.5	0.1	5.0	0.7	0	−0.7	0	0.9	5.0	1.5		
REC	0	5.0	0	0.3	5.1	0	11.5	11.3	10.7	0.1	5.0	0.7	0	−0.7	0	0.9	5.0	1.5		
REF. NO.	Q3007			Q3008			Q3009			Q3010			Q3011			Q3013				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	1.6	5.0	2.3	1.0	4.0	1.7	1.7	3.3	2.4	2.4	0	1.8	1.8	3.2	2.5	1.5	11.5	2.1		
REC	1.6	5.0	2.3	1.0	4.0	1.7	1.7	3.3	2.4	2.4	0	1.8	1.8	3.2	2.5	1.4	11.5	2.1		
REF. NO.	Q3014			Q3015																
MODE	E	C	B	E	C	B														
STOP	0	5.0	0	0.7	0	0														
REC	0	5.0	0	0.7	0	0														
REF. NO.	QR3001			QR3002			QR3003			QR3004			QR3005			QR3006				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	11.5	0	11.5	0	5.8	0	0	0.1	3.0	0	4.9	0	4.9	0	4.9	0	2.5	0		
REC	11.5	11.5	0	0	0	7.7	0	0.1	3.0	0	4.9	0	4.9	0	4.9	0	2.5	0		
REF. NO.	QR3009			QR3010			QR3011													
MODE	E	C	B	E	C	B	E	C	B											
STOP	4.9	4.9	3.5	0	0	0.1	0	0	7.8											
REC	4.9	4.9	3.5	0	0	0.1	0	11.3	0.5											

IC3004
M52083FP


32
31
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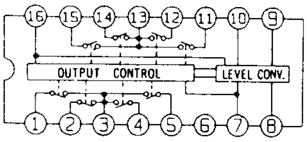
24
23
22
21
20
19
18
17
VCC
1.5K
1.5K
V ON
1K
S ON
DET
DET
PEAKING
LOG
S
N
SP
EP
6dB
10K
GCA 4
DET
GCA 3
GCA 2
GCA 1
HPF
LIM 1
LIM 2
DL 4
DL 3
DL 2
DL 1
gm CONT
DC AMP
N
S
N
S
PB VCC
GND
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

IC3007
MC14052BF


16
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OUTPUT CONTROL
LEVEL CONV.
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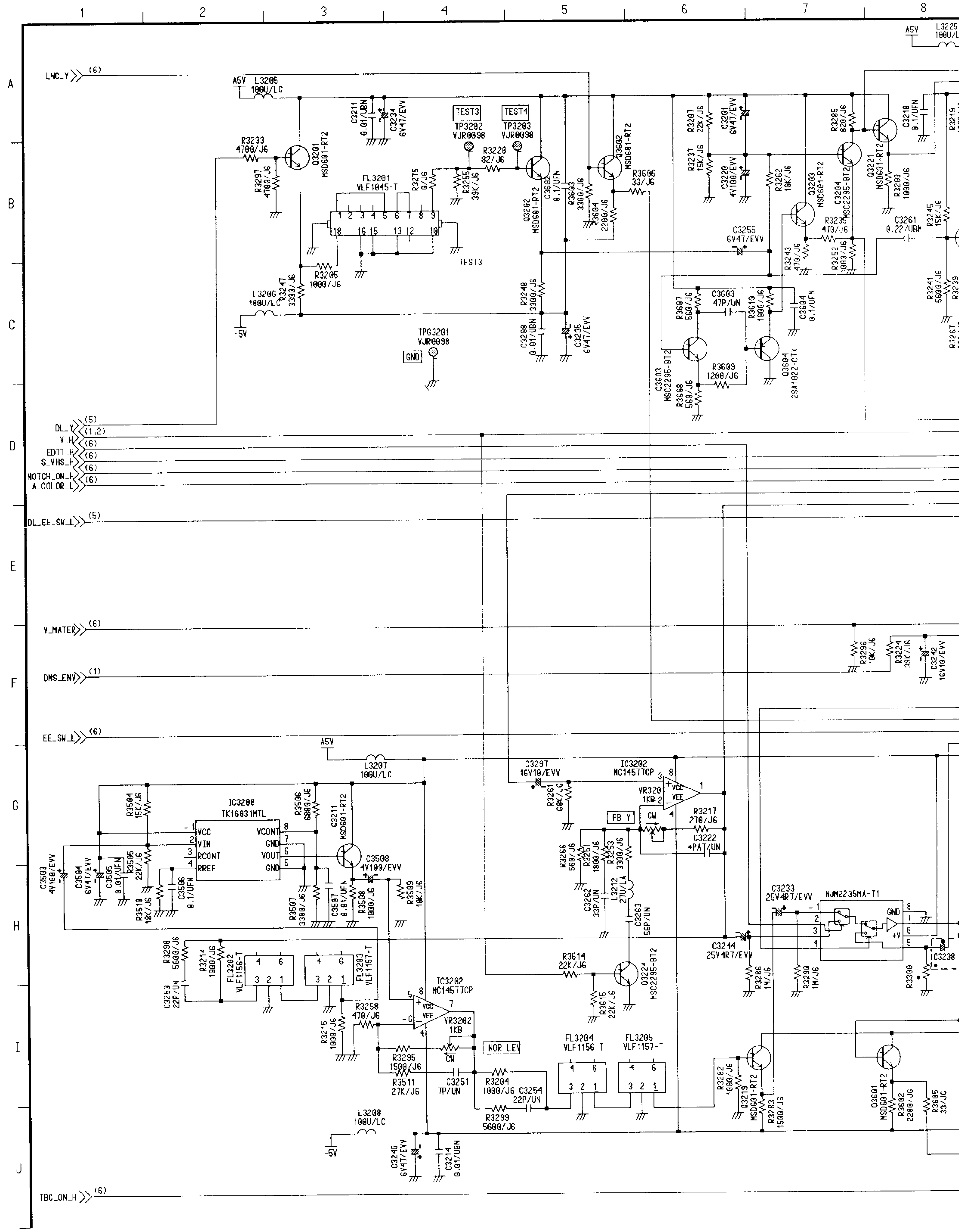
(6) RFY

(6) RTSW

VIDEO I/O-3 SCHEMATIC DIAGRAM 3/7 (E5: Page CBA-8)


1
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A
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C
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E
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G
H
I
J
LNC_Y (6)
A5V
L3205 100U/LC
C3211 0.01/UBN
C3234 6V47/EVV
TEST3
TEST4
TP3202 VJR0098
TP3203 VJR0098
R3233 4700/J6
Q3201 MSD601-RT2
R3297 4700/J6
R3220 82/J6
R3275 0/J6
R3255 39K/J6
FL3201 VLF1045-T
1 2 3 4 5 6 7 8 9
18 16 15 13 12 10
TEST3
Q3202 MSD601-RT2
C3602 0.1/UFN
R3603 3300/J6
R3604 2200/J6
Q3602 MSD601-RT2
R3606 33/J6
R3205 1000/J6
L3206 100U/LC
R3247 3300/J6
-5V
R3248 3300/J6
C3208 0.01/UBN
C3235 6V47/EVV
TPG3201 VJR0098
GND
R3207 22K/J6
R3237 15K/J6
C3201 6V47/EVV
C3220 4V100/EVV
R3262 10K/J6
C3255 6V47/EVV
Q3203 MSD601-RT2
R3243 470/J6
R3285 820/J6
Q3204 MSC2295-BT2
R3235 470/J6
R3252 1000/J6
Q3221 MSD601-RT2
R3203 1000/J6
C3218 0.1/UFN
R3219
C3261 0.22/UBM
R3245 15K/J6
R3241 5600/J6
R3239
R3267
A5V
L3225 100U/L
R3607 560/J6
C3603 47P/UN
R3610 1000/J6
C3604 0.1/UFN
Q3603 MSC2295-BT2
Q3604 2SA1022-CTX
R3609 1200/J6
R3608 560/J6
DL_Y (5)
V_H (1,2)
EDIT_H (6)
S_VHS_H (6)
NOTCH_ON_H (6)
A_COLOR_L (6)
DL_EE_SW_L (5)
V_MATER (6)
DMS_ENV (1)
EE_SW_L (6)
R3296 10K/J6
R3224 39K/J6
C3242 16V10/EVV
A5V
L3207 100U/LC
C3297 16V10/EVV
IC3202 MC14577CP
VCC
VEE
VR3201 1KB
R3261 68K/J6
PB Y
CW
R3217 270/J6
C3222 PAT/UN
R3266 560/J6
R3251 1000/J6
R3253 3300/J6
C3262 33P/UN
L3212 27U/LA
C3263 56P/UN
R3504 15K/J6
IC3208 TK16031MTL
VCC
VIN
RCONT
RREF
VCONT
GND
VOUT
GND
R3506 6800/J6
Q3211 MSD601-RT2
C3508 4V100/EVV
C3503 4V100/EVV
C3504 6V47/EVV
C3505 0.01/UFN
R3505 22K/J6
R3510 18K/J6
C3506 0.1/UFN
R3507 3300/J6
C3507 0.01/UFN
R3508 1000/J6
R3509 10K/J6
C3233 25V4R7/EVV
NJM2235MA-T1
GND
+V
C3244 25V4R7/EVV
R3286 1M/J6
R3290 1M/J6
R3300
IC3238
R3298 5600/J6
R3214 1000/J6
FL3202 VLF1156-T
FL3203 VLF1157-T
C3253 22P/UN
R3614 22K/J6
R3615 22K/J6
Q3224 MSC2295-BT2
IC3202 MC14577CP
VR3202 1KB
R3258 470/J6
R3215 1000/J6
NOR LEV
R3295 1500/J6
R3511 27K/J6
C3251 7P/UN
R3204 1000/J6
C3254 22P/UN
R3299 5600/J6
FL3204 VLF1156-T
FL3205 VLF1157-T
R3282 1000/J6
Q3219 MSD601-RT2
R3283 1500/J6
Q3601 MSD601-RT2
R3602 2200/J6
R3605 33/J6
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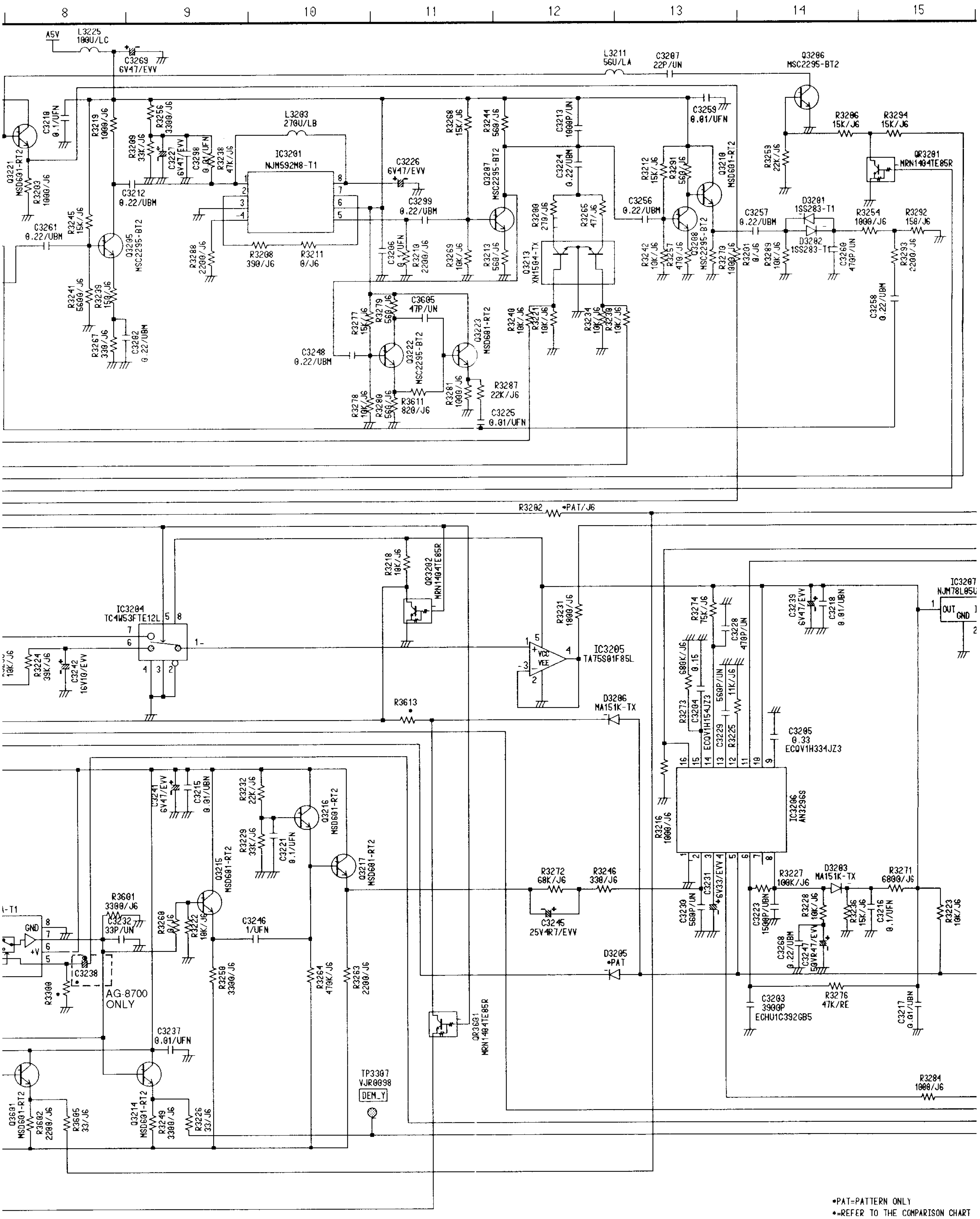
-5V
C3240 6V47/EVV
C3214 0.01/UBN
TBC_ON_H (6)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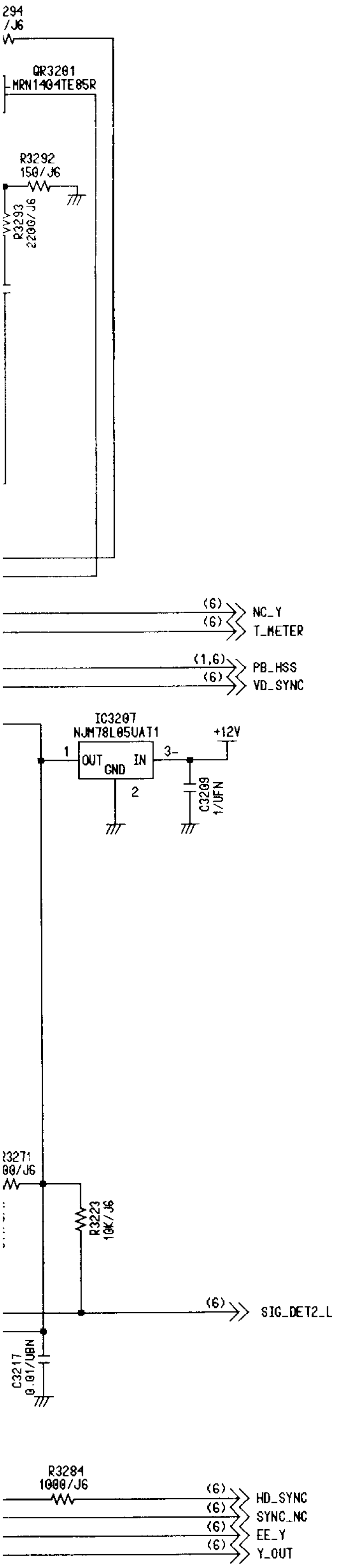
A5V
L3225 100U/LC
C3269 6V47/EVV
L3211 56U/LA
C3207 22P/UN
Q3206 MSC2295-BT2
C3210 0.1/UFN
R3219 1000/J6
R3256 3300/J6
R3209 33K/J6
C3227 6V47/EVV
C3298 0.01/UFN
R3238 47K/J6
L3203 270U/LB
IC3201 NJM592M8-T1
C3226 6V47/EVV
R3268 15K/J6
R3244 560/J6
C3213 1000P/UN
C3259 0.01/UFN
R3206 15K/J6
R3294 15K/J6
QR3201 MRN1404TE85R
R3259 22K/J6
Q3221 MSD601-RT2
R3203 1000/J6
C3212 0.22/UBM
Q3207 MSC2295-BT2
C3224 0.22/UBM
R3212 15K/J6
R3291 560/J6
Q3210 MSD601-RT2
D3201 1SS283-T1
C3299 0.22/UBM
R3200 270/J6
R3265 47/J6
C3256 0.22/UBM
C3257 0.22/UBM
R3254 1000/J6
R3292 150/J6
C3261 0.22/UBM
R3245 15K/J6
Q3205 MSC2295-BT2
R3288 2200/J6
R3208 390/J6
R3211 0/J6
C3206 0.1/UFN
R3210 2200/J6
R3269 10K/J6
R3213 560/J6
Q3213 XN1504-TX
R3242 10K/J6
R3257 470/J6
Q3208 MSC2295-BT2
R3270 1000/J6
R3201 0/J6
R3289 10K/J6
D3202 1SS283-T1
C3260 470P/UN
R3293 2200/J6
R3241 5600/J6
R3239 150/J6
R3277 15K/J6
R3279 560/J6
C3605 47P/UN
R3240 10K/J6
R3221 10K/J6
R3234 10K/J6
R3230 10K/J6
C3258 0.22/UBM
R3267 330/J6
C3202 0.22/UBM
C3248 0.22/UBM
Q3222 MSC2295-BT2
Q3223 MSD601-RT2
R3287 22K/J6
R3278 10K/J6
R3280 560/J6
R3611 820/J6
R3281 1000/J6
C3225 0.01/UFN
R3202 *PAT/J6
R3218 10K/J6
QR3202 MRN1404TE85R
IC3204 TC4W53FTE12L
R3231 1000/J6
R3274 75K/J6
C3228 470P/UN
C3239 6V47/EVV
C3218 0.01/UBN
IC3207 NJM78L05U
OUT
GND
R3224 39K/J6
C3242 16V10/EVV
VCC
VEE
IC3205 TA75S01F85L
R3613
D3206 MA151K-TX
R3273 680K/J6
C3204 0.15 ECQV1H154JZ3
C3229 560P/UN
R3225 11K/J6
C3205 0.33 ECQV1H334JZ3
C3241 6V47/EVV
C3215 0.01/UBN
R3232 22K/J6
Q3216 MSD601-RT2
R3229 33K/J6
C3221 0.1/UFN
Q3215 MSD601-RT2
Q3217 MSD601-RT2
R3216 1000/J6
IC3206 AN3290S
R3272 68K/J6
R3246 330/J6
R3227 100K/J6
D3203 MA151K-TX
R3271 6800/J6
R3601 3300/J6
C3232 33P/UN
R3260 0/J6
R3222 10K/J6
C3246 1/UFN
C3245 25V4R7/EVV
C3230 560P/UN
C3231 6V33/EVV
C3223 1500P/UBN
R3228 10K/J6
R3236 15K/J6
C3216 0.1/UFN
R3223 10K/J6
GND
+V
IC3238
R3300
AG-8700 ONLY
R3250 3300/J6
R3264 470K/J6
R3263 2200/J6
D3205 *PAT
C3268 0.22/UBM
C3247 50V R47/EVV
C3203 3900P ECHU1C392GB5
R3276 47K/RE
C3217 0.01/UBN
C3237 0.01/UFN
QR3601 MRN1404TE85R
Q3601 MSD601-RT2
R3602 2200/J6
R3605 33/J6
Q3214 MSD601-RT2
R3249 3300/J6
R3226 33/J6
TP3307 VJR0098
DEM_Y
R3284 1000/J6

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART

Ref No 3200 Seri


294
/J6
QR3201
MRN1404TE85R
R3292
150/J6
R3293
2200/J6
(6) NC_Y
(6) T_METER
(1,6) PB_HSS
(6) VD_SYNC
IC3207
NJM78L05UAT1
+12V
1
OUT
GND
IN
3
2
C3209
1/UFN
R3271
00/J6
R3223
10K/J6
(6) SIG_DET2_L
C3217
0.01/UBN
R3284
1000/J6
(6) HD_SYNC
(6) SYNC_NC
(6) EE_Y
(6) Y_OUT

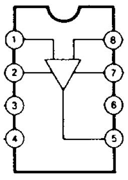
ONLY
IE COMPARISON CHART

3200 Series.

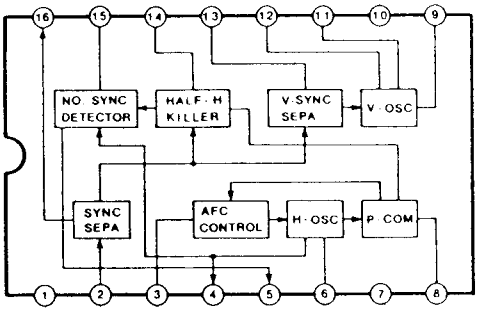
VIDEO I/O-3 DC VOLTAGE CHART

REF. NO.	IC3201									
MODE	1	2	3	4	5	6	7	8		
STOP	3.4	2.7	0	3.3	3.3	4.7	2.7	3.4		
REC	3.4	2.7	0	3.3	3.3	4.7	2.7	3.4		
REF. NO.	IC3202									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−4.8	0	0	0.1	4.7		
REC	0	0	0	−4.8	0	0	0.1	4.7		
REF. NO.	IC3203									
MODE	1	2	3	4	5	6	7	8		
STOP	1.9	4.9	1.9	3.5	2.3	4.7	1.5	0		
REC	1.9	4.9	1.9	3.5	2.3	4.7	1.5	0		
REF. NO.	IC3205									
MODE	1	2	3	4	5					
STOP	0.9	0	0	0	5.0					
REC	0.9	0	0	0	5.0					
REF. NO.	IC3206									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	3.3	4.1	3.4	0.2	2.9	0	3.0	2.2	5.0
REC	0	3.3	4.1	3.5	0.2	2.9	0	3.0	2.2	5.0
REF. NO.	IC3206									
MODE	11	12	13	14	15	16				
STOP	4.8	0.7	0.1	1.2	3.8	3.5				
REC	4.8	0.7	0.1	1.2	3.8	3.6				
REF. NO.	Q3201			Q3202			Q3203			
MODE	E	C	B	E	C	B	E	C	B	
STOP	1.3	4.8	1.9	0.7	4.9	1.3	1.0	4.9	1.7	
REC	1.3	4.8	1.9	0.7	4.9	1.3	1.0	4.9	1.7	
REF. NO.	Q3204			Q3205			Q3206			
MODE	E	C	B	E	C	B	E	C	B	
STOP	1.0	4.0	1.8	0.5	3.6	1.3	0	0	0	
REC	1.0	4.0	1.8	0.5	3.6	1.3	0	0	0	
REF. NO.	Q3207			Q3208			Q3210			
MODE	E	C	B	E	C	B	E	C	B	
STOP	1.0	3.7	1.8	1.0	3.5	1.7	2.9	4.7	3.5	
REC	1.0	3.7	1.8	1.0	3.5	1.7	2.9	4.7	3.5	
REF. NO.	Q3213						Q3214			
MODE	1	2	3	4	5		E	C	B	
STOP	0	0	0.7	0	0.7		0.9	4.7	1.5	
REC	0	0	0.7	0	0.7		0.9	4.7	1.5	
REF. NO.	Q3216			Q3217			Q3219			
MODE	E	C	B	E	C	B	E	C	B	
STOP	2.7	4.7	2.8	2.1	4.7	2.7	−0.6	4.7	0	
REC	2.7	4.7	2.8	2.1	4.7	2.7	−0.6	4.7	0	
REF. NO.	Q3221			Q3222			Q3223			
MODE	E	C	B	E	C	B	E	C	B	
STOP	3.3	4.8	4.0	1.0	3.5	1.7	0.4	4.7	1.0	
REC	3.3	4.8	4.0	1.0	3.5	1.7	0.4	4.7	1.0	
REF. NO.	QR3201			QR3202						
MODE	E	C	B	E	C	B				
STOP	0	0	0.1	0	3.5	0.1				
REC	0	0	0.1	0	3.5	0.1				

IC3201
NJM592MB



IC3206
AN3296S


16
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9
NO SYNC DETECTOR
HALF·H KILLER
V·SYNC SEPA
V·OSC
SYNC SEPA
AFC CONTROL
H·OSC
P·COM
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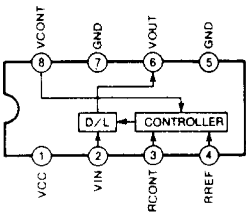
IC3208
TK16031MTL


VCONT
GND
VOUT
GND
8
7
6
5
D/L
CONTROLLER
1
2
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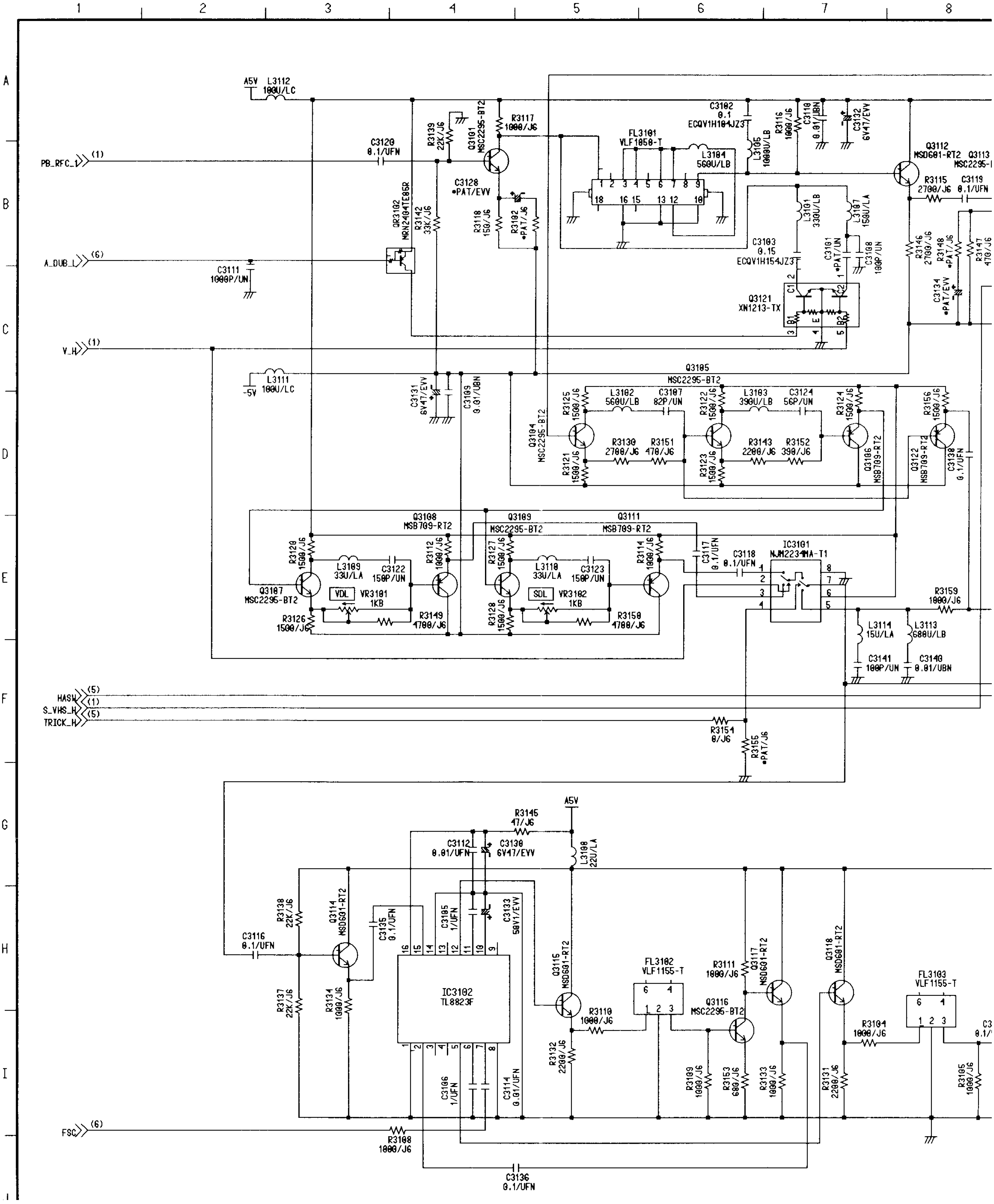
VCC
VIN
RCONT
RREF

VIDEO I/O-2 SCHEMATIC DIAGRAM 2/7 (E5: Page CBA-8)



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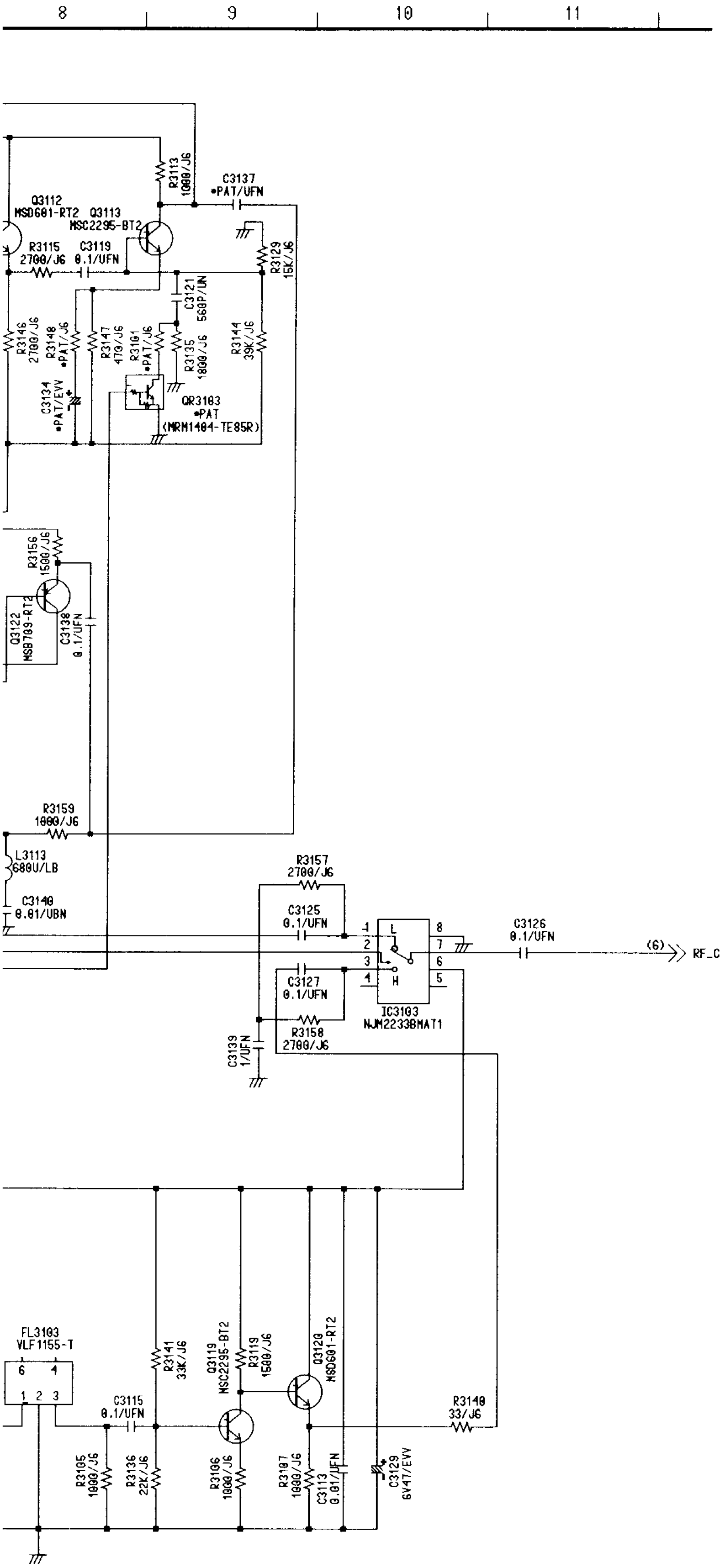
8
A
B
C
D
E
F
G
H
I
A5V
L3112 100U/LC
C3102 0.1 ECQV1H104JZ3
R3116 1000/J6
C3110 0.01/UBN
C3132 6V47/EVV
R3117 1000/J6
R3139 22K/J6
Q3101 MSC2295-BT2
FL3101 VLF1050-T
L3104 560U/LB
L3105 1000U/LB
Q3112 MSD601-RT2
Q3113 MSC2295-
PB_RFC_L (1)
C3120 0.1/UFN
C3128 •PAT/EVV
R3115 2700/J6
C3119 0.1/UFN
QR3102 MRN2404TE85R
R3142 33K/J6
R3118 150/J6
R3102 •PAT/J6
L3101 330U/LB
L3107 150U/LA
R3146 2700/J6
R3148 •PAT/J6
R3147 470/J6
A_DUB_L (6)
C3111 1000P/UN
C3103 0.15 ECQV1H154JZ3
C3101 •PAT/UN
C3108 100P/UN
C3134 •PAT/EVV
Q3121 XN1213-TX
V_H (1)
Q3105 MSC2295-BT2
L3111 100U/LC
-5V
C3131 6V47/EVV
C3109 0.01/UBN
R3125 1500/J6
L3102 560U/LB
C3107 82P/UN
R3122 1500/J6
L3103 390U/LB
C3124 56P/UN
R3124 1500/J6
R3156 1500/J6
Q3104 MSC2295-BT2
R3130 2700/J6
R3151 470/J6
R3143 2200/J6
R3152 390/J6
R3121 1500/J6
R3123 1500/J6
Q3106 MSB709-RT2
Q3122 MSB709-RT2
C3138 0.1/UFN
Q3108 MSB709-RT2
Q3109 MSC2295-BT2
Q3111 MSB709-RT2
IC3101 NJM2234MA-T1
R3120 1500/J6
L3109 33U/LA
C3122 150P/UN
R3112 1000/J6
R3127 1500/J6
L3110 33U/LA
C3123 150P/UN
R3114 1000/J6
C3117 0.1/UFN
C3118 0.1/UFN
Q3107 MSC2295-BT2
VDL
VR3101 1KB
SDL
VR3102 1KB
R3159 1000/J6
R3126 1500/J6
R3149 4700/J6
R3128 1500/J6
R3150 4700/J6
L3114 15U/LA
L3113 680U/LB
C3141 100P/UN
C3140 0.01/UBN
HASW (5)
S_VHS_H (1)
TRICK_H (5)
R3154 0/J6
R3155 •PAT/J6
A5V
R3145 47/J6
C3112 0.01/UFN
C3130 6V47/EVV
L3108 22U/LA
R3138 22K/J6
Q3114 MSD601-RT2
C3135 0.1/UFN
C3105 1/UFN
C3133 50V1/EVV
C3116 0.1/UFN
Q3115 MSD601-RT2
FL3102 VLF1155-T
R3111 1000/J6
Q3117 MSD601-RT2
Q3118 MSD601-RT2
FL3103 VLF1155-T
IC3102 TL8823F
R3137 22K/J6
R3134 1000/J6
R3110 1000/J6
Q3116 MSC2295-BT2
R3104 1000/J6
R3132 2200/J6
C3106 1/UFN
C3114 0.01/UFN
R3109 1000/J6
R3153 680/J6
R3133 1000/J6
R3131 2200/J6
R3105 1000/J6
FSC (6)
R3108 1000/J6
C3136 0.1/UFN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10
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Q3112
MSD601-RT2
Q3113
MSC2295-BT2
R3113
1000/J6
C3137
*PAT/UFN
R3115
2700/J6
C3119
0.1/UFN
R3129
15K/J6
C3121
560P/UN
R3146
2700/J6
R3148
*PAT/J6
R3147
470/J6
R3101
*PAT/J6
R3135
1000/J6
R3144
39K/J6
C3134
*PAT/EVV
QR3103
*PAT
(MRN1404-TE85R)
R3156
1500/J6
Q3122
MSB709-RT2
C3138
0.1/UFN
R3159
1000/J6
L3113
680U/LB
C3140
0.01/UBN
R3157
2700/J6
C3125
0.1/UFN
C3127
0.1/UFN
R3158
2700/J6
C3139
1/UFN
IC3103
NJM2233BMAT1
L
H
1
2
3
4
5
6
7
8
C3126
0.1/UFN
(6)
RF_C
FL3103
VLF1155-T
6
4
1 2 3
C3115
0.1/UFN
R3141
33K/J6
Q3119
MSC2295-BT2
R3119
1500/J6
Q3120
MSD601-RT2
R3140
33/J6
R3105
1000/J6
R3136
22K/J6
R3106
1000/J6
R3107
1000/J6
C3113
0.01/UFN
C3129
6V47/EVV

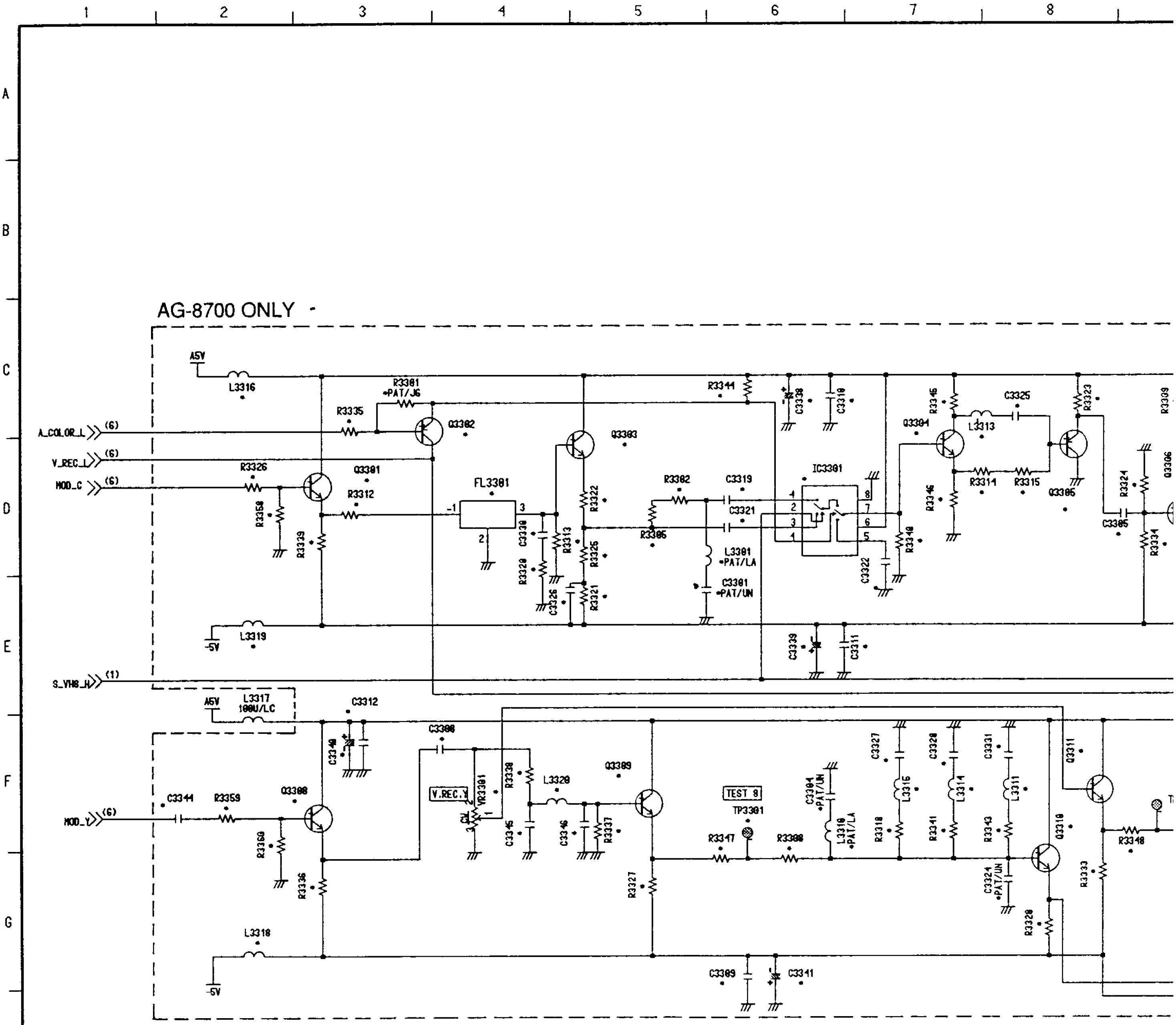
VIDEO I/O-2 DC VOLTAGE CHART

REF. NO.	IC3101									
MODE	1	2	3	4	5	6	7	8		
STOP	2.8	0	2.8	0	2.8	4.7	2.1	0		
REC	2.8	0	2.8	0	2.8	4.7	2.1	0		
REF. NO.	IC3102									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	2.1	0	0	2.7	1.3	2.2	0	0	9.4
REC	0	2.1	0	0	2.7	1.3	2.2	0	0	9.4
REF. NO.	IC3102									
MODE	11	12	13	14	15	16				
STOP	1.3	2.8	0	0	2.1	4.5				
REC	1.3	2.8	0	0	2.1	4.5				
REF. NO.	IC3103									
MODE	1	2	3	4	5	6	7	8		
STOP	2.9	0	2.9	0	0	4.9	2.2	0		
REC	2.9	0	2.9	0	0	4.9	2.2	0		
REF. NO.	Q3101			Q3104			Q3105			
MODE	E	C	B	E	C	B	E	C	B	
STOP	−3.7	0.9	−2.8	−0.8	0.8	−0.1	−1.6	1.5	−0.9	
REC	−3.7	1.0	−2.9	−0.8	0.8	−0.1	−1.6	1.5	−0.9	
REF. NO.	Q3106			Q3107			Q3108			
MODE	E	C	B	E	C	B	E	C	B	
STOP	−0.9	−4.8	−1.6	−1.7	1.6	−0.9	−1.0	−4.8	−1.7	
REC	−0.9	−4.8	−1.6	−1.7	1.6	−0.9	−1.0	−4.8	−1.7	
REF. NO.	Q3109			Q3111			Q3112			
MODE	E	C	B	E	C	B	E	C	B	
STOP	−1.7	1.6	−0.9	−1.0	−4.8	−1.7	0.3	4.7	0.9	
REC	−1.7	1.6	−0.9	−1.0	−4.8	−1.6	0.3	4.7	0.9	
REF. NO.	Q3113			Q3114			Q3115			
MODE	E	C	B	E	C	B	E	C	B	
STOP	−2.6	−0.1	−1.8	1.8	4.9	2.4	2.2	4.9	2.8	
REC	−2.6	−0.1	−1.8	1.8	4.9	2.4	2.2	4.9	2.8	
REF. NO.	Q3116			Q3117			Q3118			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0.4	4.3	1.1	3.7	4.9	4.3	2.2	4.9	2.8	
REC	0.4	4.3	1.1	3.7	4.9	4.3	2.2	4.9	2.8	
REF. NO.	Q3119			Q3120						
MODE	E	C	B	E	C	B				
STOP	1.1	3.2	1.8	2.6	4.9	3.2				
REC	1.1	3.2	1.8	2.6	4.9	3.2				
REF. NO.	Q3121						Q3122			
MODE	1	2	3	4	5		E	C	B	
STOP	0	0	0	0	0		−0.2	−4.8	−0.9	
REC	0	0	0	0	0		−0.2	−4.8	−0.9	
REF. NO.	QR3102									
MODE	E	C	B							
STOP	4.7	0	4.7							
REC	4.7	0	4.7							

*=REFER TO THE COMPARISON CHART

Ref No.3100 Series.

VIDEO I/O-4 SCHEMATIC DIAGRAM 4/7 (E5: Page CBA-8)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A
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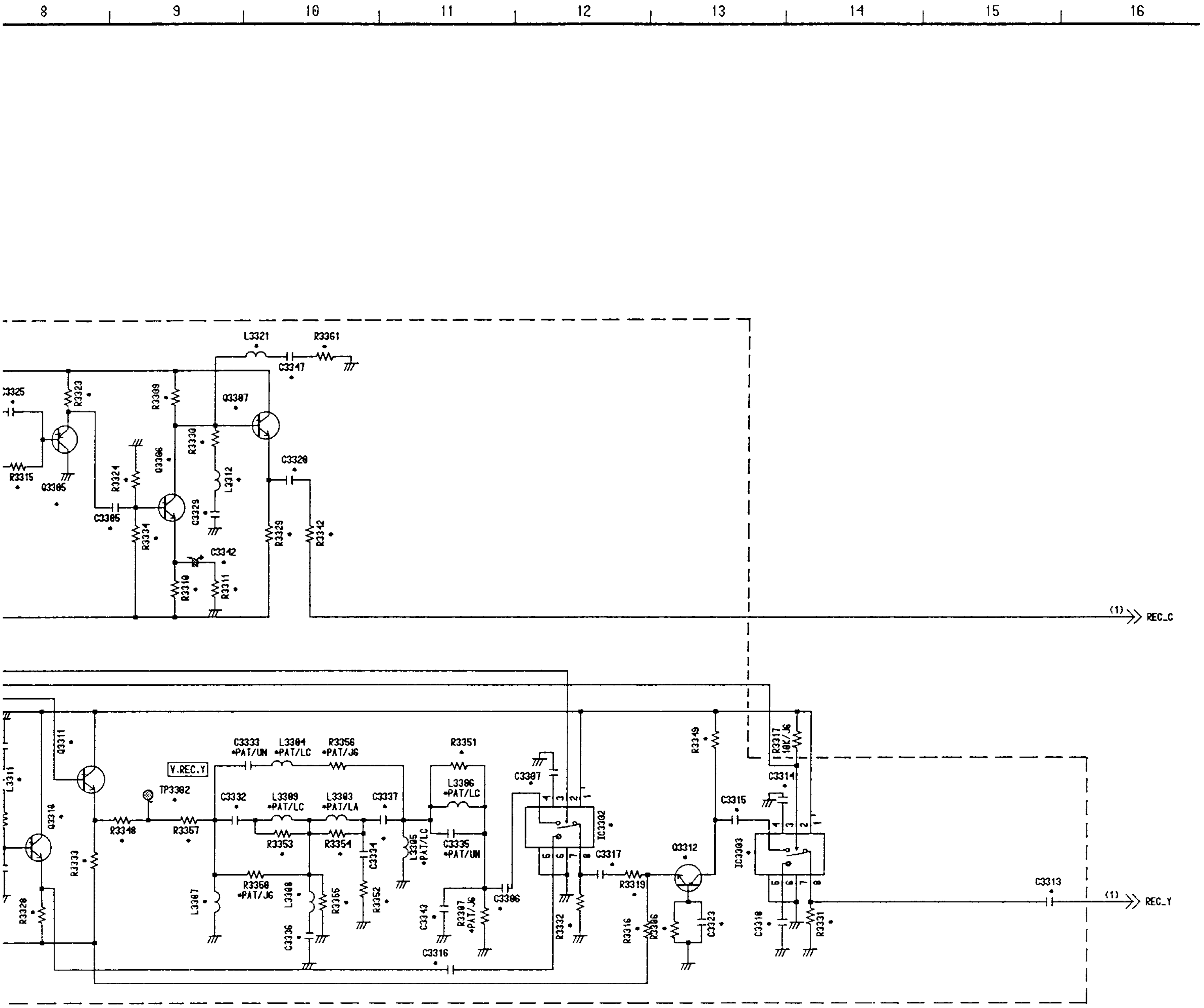
C
D
E
F
G
AG-8700 ONLY
A5V
L3316
R3301 *PAT/J6
R3335
Q3302
Q3303
R3344
C3338
C3310
R3345
C3325
R3323
R3309
A_COLOR_L (6)
V_REC_L (6)
MOD_C (6)
R3326
Q3301
R3312
FL3301
R3302
C3319
IC3301
Q3304
L3313
R3314
R3315
Q3305
R3324
Q3306
R3350
R3339
C3330
R3313
R3322
R3325
R3305
C3321
L3301 *PAT/LA
C3301 *PAT/UN
C3322
R3340
R3346
C3305
R3334
R3320
C3326
R3321
-5V
L3319
C3339
C3311
S_VHS_H (1)
A5V
L3317 100U/LC
C3312
C3308
C3340
Q3309
R3338
L3320
V.REC.Y
VR3301
MOD_Y (6)
C3344
R3359
Q3308
R3360
C3345
C3346
R3337
TEST 8
TP3301
C3304 *PAT/UN
C3327
C3328
C3331
Q3311
L3316
L3314
L3311
R3347
R3308
L3310 *PAT/LA
R3318
R3341
R3343
Q3310
R3348
R3336
R3327
C3324 *PAT/UN
R3333
R3328
L3318
C3309
C3341
-5V

VIDEO I/O-4 DC VOLTAGE CHART

REF. NO.	IC3301										IC3302									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8		
STOP	2.9	4.9	2.9	3.7	2.9	4.8	2.2	0			4.9	4.9	2.4	2.5	0	2.5	0	2.5		
REC	2.9	4.9	2.9	0.7	2.9	4.8	2.2	0			4.9	4.9	2.4	2.5	0	2.5	0	2.5		
REF. NO.	IC3303																			
MODE	1	2	3	4	5	6	7	8												
STOP	4.9	3.7	2.4	2.5	0	2.5	0	2.5												
REC	4.9	0.1	2.4	2.5	0	2.5	0	2.5												
REF. NO.	Q3301			Q3302			Q3303			Q3304			Q3305			Q3306				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	−0.7	4.8	−0.1	3.7	3.7	3.1	−1.0	4.8	−0.4	1.4	3.4	2.2	2.1	0	1.4	−2.7	2.6	−2.1		
REC	−0.7	4.8	−0.1	0.7	0.1	0.1	−1.0	4.8	−0.4	1.4	3.4	2.2	2.1	0	1.4	−2.7	2.6	−2.1		
REF. NO.	Q3307			Q3308			Q3309			Q3310			Q3311			Q3312				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	2.0	4.8	2.6	−0.5	4.9	−0.1	−0.6	4.9	0	−1.2	4.9	−0.6	−0.5	4.9	0	−0.8	1.5	0		
REC	2.0	4.8	2.6	−0.5	4.9	−0.1	−0.6	4.8	0	−1.2	4.9	−0.6	−0.5	4.9	0	−0.8	1.5	0		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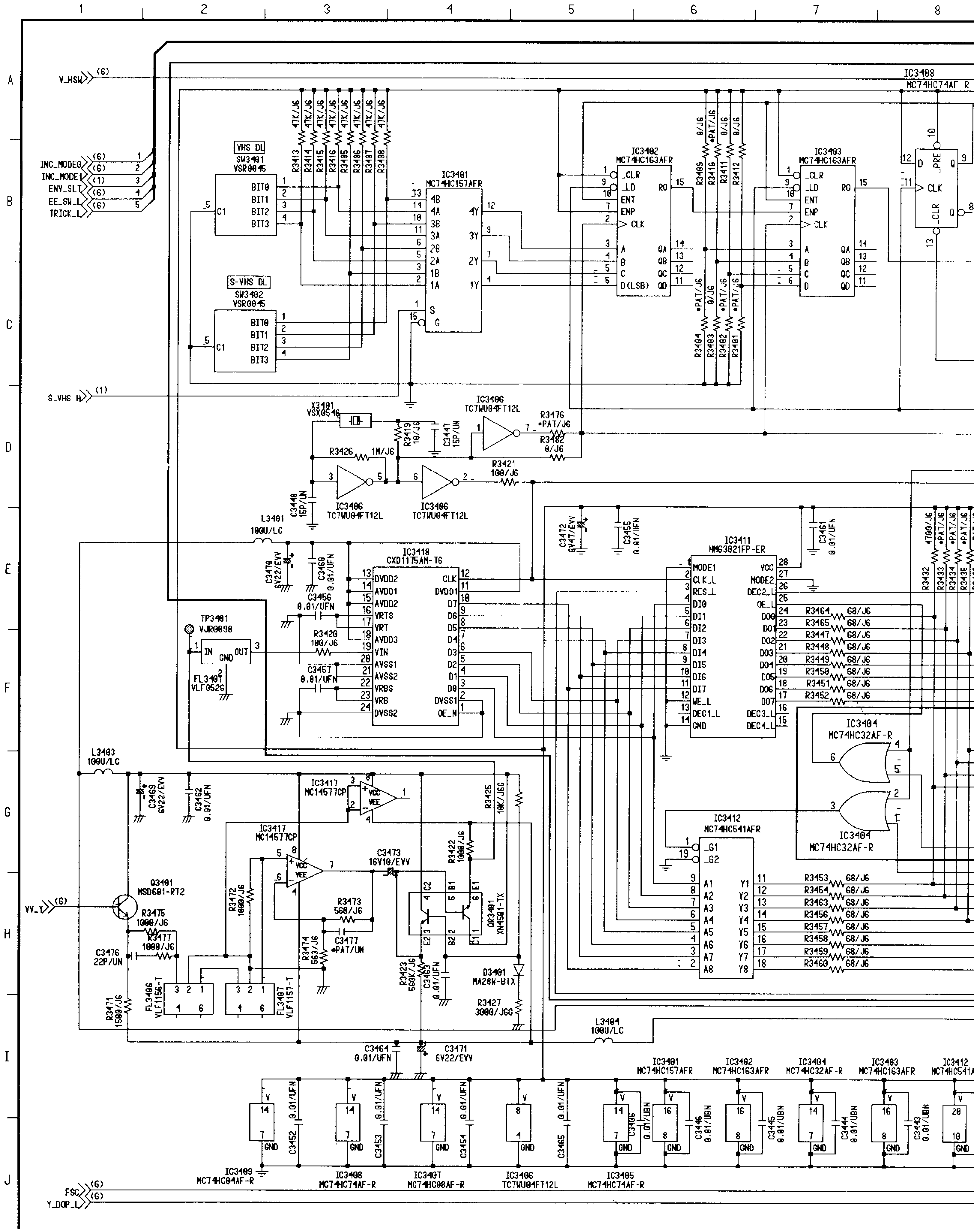
L3321
R3361
C3347
C3325
R3323
R3309
Q3307
R3330
Q3306
R3324
R3315
Q3305
C3305
R3334
C3329
L3312
C3320
R3329
R3342
C3342
R3310
R3311
(1) REC_C
Q3311
L3311
Q3310
R3320
R3333
V.REC.Y
TP3302
R3348
R3357
C3333 *PAT/UN
L3304 *PAT/LC
R3356 *PAT/J6
C3332
L3309 *PAT/LC
L3303 *PAT/LA
C3337
R3353
R3354
C3334
L3305 *PAT/LC
R3351
L3306 *PAT/LC
C3335 *PAT/UN
L3307
R3350 *PAT/J6
L3308
R3355
R3352
C3336
C3343
R3307 *PAT/J6
C3306
C3316
C3307
IC3302
R3332
C3317
R3319
R3316
R3306
Q3312
C3323
R3349
R3317 10K/J6
C3314
C3315
IC3303
C3310
R3331
C3313
(1) REC_Y

8		
2.5		
2.5		
B		
−2.1		
−2.1		
B		
0		
0		

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.3300 Series.

VIDEO I/O-5 SCHEMATIC DIAGRAM 5/7 (E5: Page CBA-8)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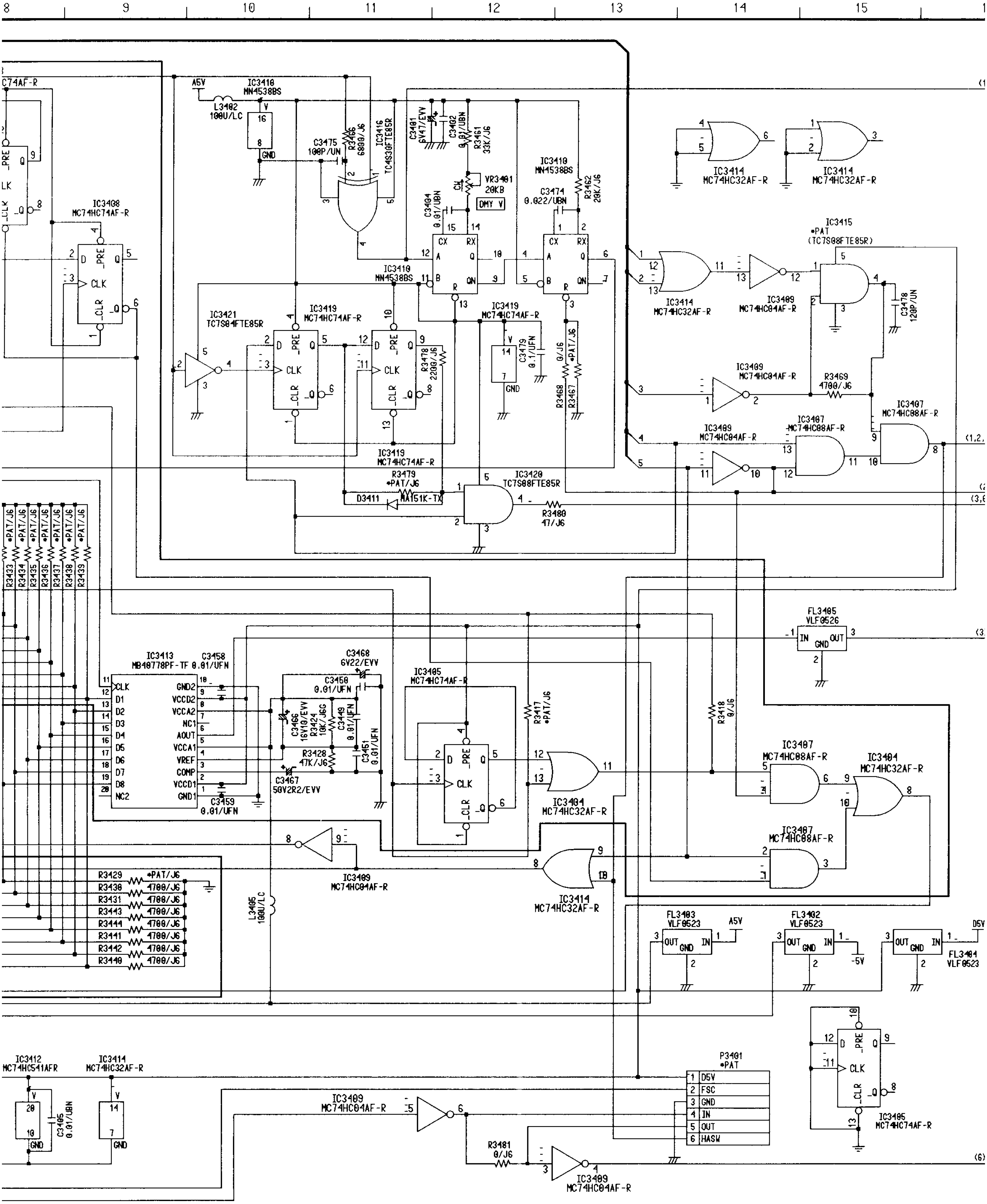
8
A
B
C
D
E
F
G
H
I
J
V_HSW (6)
INC_MODE0 (6)
INC_MODE1 (6)
ENV_SLT (1)
EE_SW_L (6)
TRICK_L (6)
S_VHS_H (1)
VV_Y (6)
FSC (6)
Y_DOP_L (6)
VHS DL
SW3401
VSR0045
BIT0
BIT1
BIT2
BIT3
C1
S-VHS DL
SW3402
VSR0045
R3413
R3414
R3415
R3416
R3405
R3406
R3407
R3408
47K/J6
IC3401
MC74HC157AFR
4B
4A
3B
3A
2B
2A
1B
1A
S
_G
4Y
3Y
2Y
1Y
IC3402
MC74HC163AFR
_CLR
_LD
ENT
ENP
CLK
RO
A
B
C
D(LSB)
QA
QB
QC
QD
R3409
R3410
R3411
R3412
0/J6
•PAT/J6
R3404
R3403
R3402
R3401
IC3403
MC74HC163AFR
IC3408
MC74HC74AF-R
D
_PRE
Q
CLK
_CLR
_Q
X3401
VSX0540
R3419
10/J6
C3447
15P/UN
IC3406
TC7WU04FT12L
R3476
•PAT/J6
R3482
0/J6
R3426
1M/J6
R3421
100/J6
C3448
15P/UN
L3401
100U/LC
C3470
6V22/EVV
C3460
0.01/UFN
IC3418
CXD1175AM-T6
DVDD2
AVDD1
AVDD2
VRTS
VRT
AVDD3
VIN
AVSS1
AVSS2
VRBS
VRB
DVSS2
CLK
DVDD1
D7
D6
D5
D4
D3
D2
D1
D0
DVSS1
OE_N
C3456
0.01/UFN
R3420
100/J6
C3457
0.01/UFN
TP3401
VJR0098
IN
GND
OUT
FL3401
VLF0526
C3472
6V47/EVV
C3455
0.01/UFN
C3461
0.01/UFN
IC3411
HM63021FP-ER
MODE1
CLK_L
RES_L
DI0
DI1
DI2
DI3
DI4
DI5
DI6
DI7
WE_L
DEC1_L
GND
VCC
MODE2
DEC2_L
OE_L
DO0
DO1
DO2
DO3
DO4
DO5
DO6
DO7
DEC3_L
DEC4_L
R3432
4700/J6
R3433
R3434
R3435
R3464
R3465
R3447
R3448
R3449
R3450
R3451
R3452
68/J6
IC3404
MC74HC32AF-R
IC3412
MC74HC541AFR
_G1
_G2
A1
A2
A3
A4
A5
A6
A7
A8
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
R3453
R3454
R3463
R3456
R3457
R3458
R3459
R3460
L3403
100U/LC
C3469
6V22/EVV
C3462
0.01/UFN
IC3417
MC14577CP
VCC
VEE
R3425
10K/J6G
R3422
1000/J6
Q3401
MSD601-RT2
R3475
1000/J6
R3477
1000/J6
C3476
22P/UN
R3472
1000/J6
C3473
16V10/EVV
R3473
560/J6
C3477
•PAT/UN
R3474
560/J6
R3423
560K/J6
C3463
0.01/UFN
QR3401
XN4501-TX
C2
B1
E1
E2
B2
C1
D3401
MA28W-BTX
R3427
3000/J6G
FL3406
VLF1156-T
FL3407
VLF1157-T
R3471
1500/J6
L3404
100U/LC
C3464
0.01/UFN
C3471
6V22/EVV
V
GND
C3452
C3453
C3454
C3465
0.01/UFN
IC3409
MC74HC04AF-R
IC3408
MC74HC74AF-R
IC3407
MC74HC08AF-R
IC3406
TC7WU04FT12L
IC3405
MC74HC74AF-R
IC3401
MC74HC157AFR
C3406
0.01/UBN
IC3402
MC74HC163AFR
C3446
0.01/UBN
IC3404
MC74HC32AF-R
C3445
0.01/UBN
IC3403
MC74HC163AFR
C3444
0.01/UBN
IC3412
MC74HC541
C3443
0.01/UBN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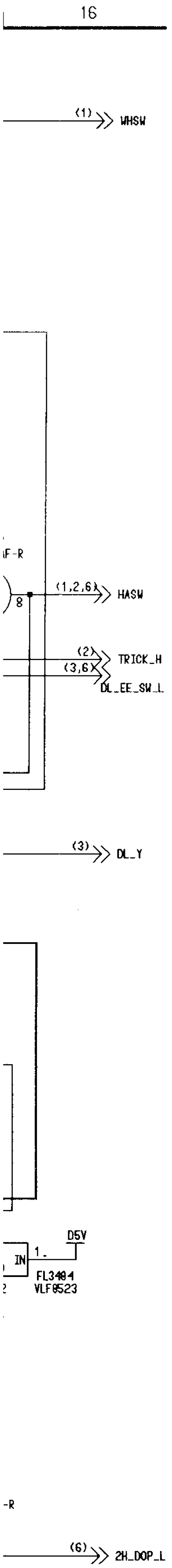
A5V
L3402
100U/LC
IC3410
MN4538BS
C3475
100P/UN
R3466
680Ω/J6
IC3416
TC4S30FTE85R
C3401
6V47/EVV
C3402
0.01/UBN
R3461
33K/J6
VR3401
20KB
DMY V
C3404
0.01/UBN
C3474
0.022/UBN
R3462
20K/J6
IC3414
MC74HC32AF-R
IC3415
*PAT
(TC7S08FTE85R)
IC3409
MC74HC04AF-R
C3478
120P/UN
IC3408
MC74HC74AF-R
IC3421
TC7S04FTE85R
IC3419
MC74HC74AF-R
R3478
220Ω/J6
C3479
0.1/UFN
R3468
0/J6
R3467
*PAT/J6
R3469
4700/J6
IC3407
MC74HC08AF-R
R3479
*PAT/J6
D3411
MA151K-TX
IC3420
TC7S08FTE85R
R3480
47/J6
R3433
R3434
R3435
R3436
R3437
R3438
R3439
*PAT/J6
FL3405
VLF0526
IC3413
MB40778PF-TF
C3458
0.01/UFN
C3468
6V22/EVV
C3450
0.01/UFN
C3466
16V10/EVV
R3424
10K/J6G
C3449
0.01/UFN
R3428
47K/J6
C3451
0.01/UFN
C3467
50V2R2/EVV
C3459
0.01/UFN
IC3405
MC74HC74AF-R
R3417
*PAT/J6
R3418
0/J6
IC3404
MC74HC32AF-R
R3429
*PAT/J6
R3430
R3431
R3443
R3444
R3441
R3442
R3440
4700/J6
L3405
100U/LC
FL3403
VLF0523
FL3402
VLF0523
FL3404
VLF0523
-5V
D5V
IC3412
MC74HC541AFR
C3405
0.01/UBN
P3401
*PAT
D5V
FSC
GND
IN
OUT
HASW
R3481
0/J6
CLK
D1
D2
D3
D4
D5
D6
D7
D8
NC2
GND2
VCCD2
VCCA2
NC1
AOUT
VCCA1
VREF
COMP
VCCD1
GND1
(1,2,
(3,6
(3)
(6)

*=REFER TO THE COMPARISON CHART

Ref No.3400 Series.

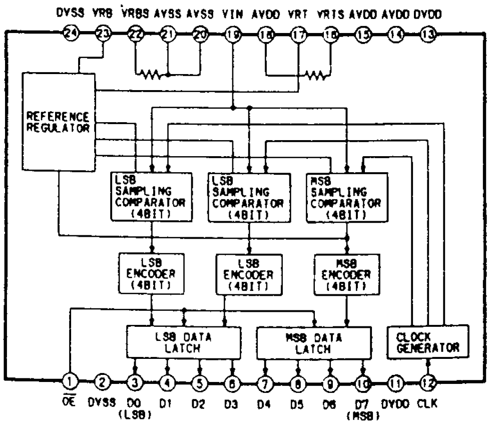


VIDEO I/O-5 DC VOLTAGE CHART

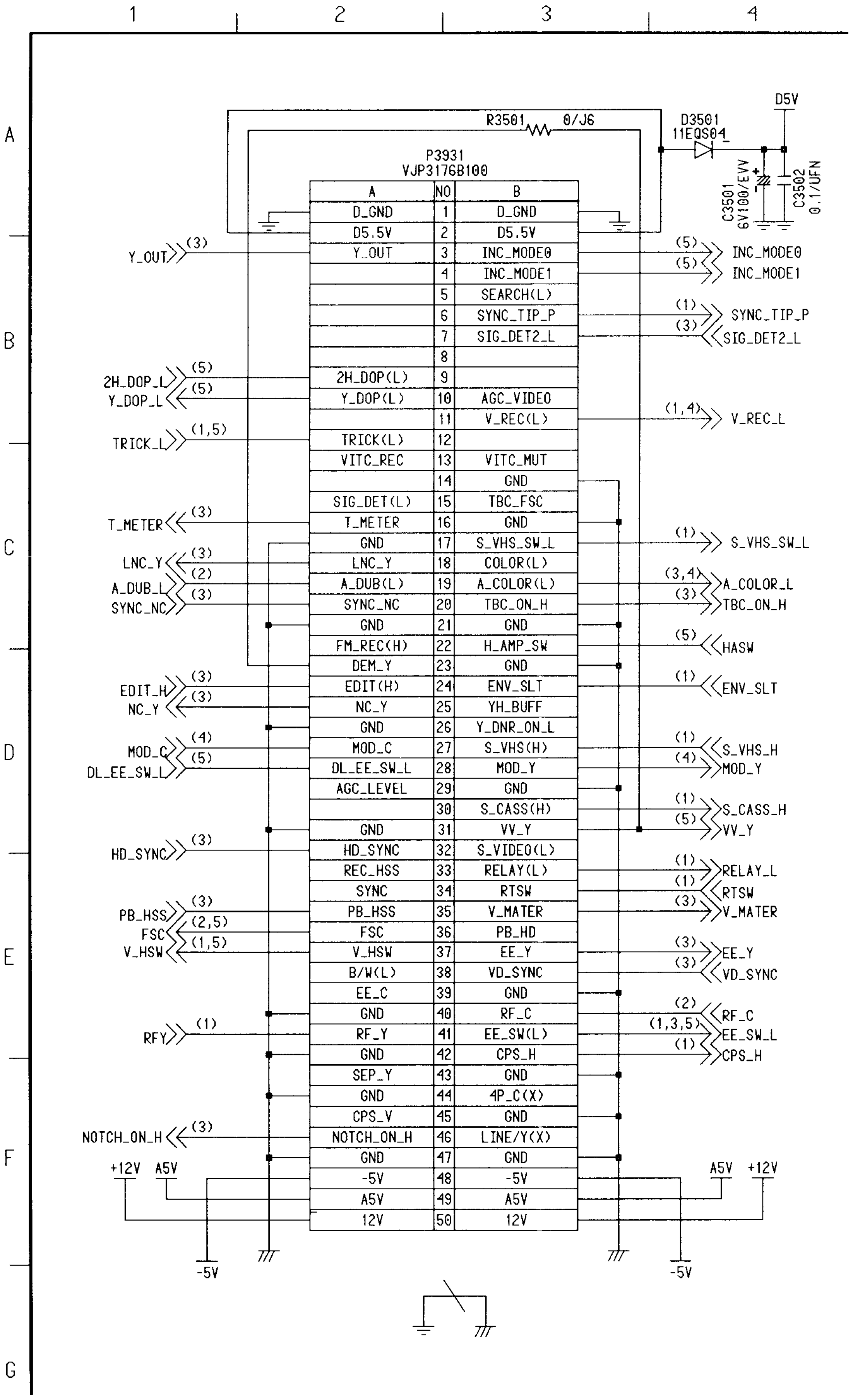
REF. NO.	IC3401																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	4.9	0	0	0	0	0	0	0	5.1	5.1	5.1	5.1	5.1	5.1	0	5.1				
REC	4.9	0	0	0	0	0	0	0	5.1	5.1	5.1	5.1	5.1	5.1	0	5.1				
REF. NO.	IC3402																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	5.1	2.6	5.1	5.1	0	0	5.1	0	5.1	0.1	0	0	0	5.1	0	5.1				
REC	5.1	2.6	5.1	5.1	0	0	5.1	0	5.1	0	0	0	0	5.1	0	5.1				
REF. NO.	IC3403																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	5.1	2.6	5.1	0	5.1	5.1	0	0	5.1	0.1	5.1	5.1	5.1	5.1	0	5.1				
REC	5.1	2.6	5.1	0	5.1	5.1	0	0	5.1	0.1	5.1	5.1	5.1	5.1	0	5.1				
REF. NO.	IC3404																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	5.1	0	5.1	0	0	0	0	5.1	0	5.1	5.1	2.6	3.9	5.1						
REC	5.1	0	5.1	0	0	0	0	5.1	0	5.1	5.1	2.4	3.9	5.1						
REF. NO.	IC3405																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	5.1	2.5	3.9	5.1	2.6	2.5	0	5.1	5.1	0	0	0	0	5.1						
REC	5.1	2.7	3.9	5.1	2.5	2.7	0	5.1	5.1	0	0	0	0	5.1						
REF. NO.	IC3406																			
MODE	1	2	3	4	5	6	7	8												
STOP	2.6	2.6	2.4	0	2.6	2.5	2.5	5.1												
REC	2.6	2.6	2.4	0	2.6	2.6	2.6	5.1												
REF. NO.	IC3407																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	5.1	3.4	5.1	0	5.1	0	0	0	2.6	0	0	0	0	5.1						
REC	5.1	3.4	5.1	0	5.1	0	0	0	5.1	0	0	0	0	5.1						
REF. NO.	IC3408																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	5.1	0	2.6	5.1	0	5.1	0	5.1	0.1	5.1	5.1	5.1	5.1	5.1						
REC	5.1	0	2.6	5.1	0	5.1	0	5.1	0.1	5.1	5.1	5.1	5.1	5.1						
REF. NO.	IC3409																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	2.4	2.6	0	5.2	0	5.2	0	0	5.2	0	3.4	5.2	0	5.2						
REC	0.1	5.1	0	5.1	0	5.1	0	0	5.1	0	3.4	5.1	0	5.1						
REF. NO.	IC3410																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	4.9	0	4.8	4.9	0	4.9	0	4.8	0.1	4.9	0	4.9	4.9	0	4.9				
REC	0	4.9	0	4.8	4.9	0	4.9	0	4.8	0.1	4.9	0	4.9	4.9	0	4.9				
REF. NO.	IC3411																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	2.6	5.1	0.1	0	0	0	4.8	0	0	0	0	3.9	0	4.0	4.0	0	0	0	3.6
REC	0	2.6	5.1	0.3	0	0	0	4.8	0	0	0	0	3.9	0	4.0	4.0	0	0	0	3.6
REF. NO.	IC3411																			
MODE	21	22	23	24	25	26	27	28												
STOP	0	0	0	0.3	0	3.9	0	5.1												
REC	0	0	0	0.8	0	3.9	0	5.1												
REF. NO.	IC3412																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	5.1	0	0	0	4.8	0	0	0	0	0	0.3	0	0	0	3.6	0	0	0	0	5.1
REC	5.1	0	0	0	4.8	0	0	0	0.1	0	0.3	0	0	0	3.6	0	0	0	0	5.1
REF. NO.	IC3413																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	5.1	2.3	4.0	4.9	4.0	0	4.9	5.1	0	2.6	0	0	0	3.6	0	0	0	0.4	0
REC	0	5.1	2.3	4.0	4.9	4.0	0	4.9	5.1	0	2.6	0	0	0	3.6	0	0	0	0	0
REF. NO.	IC3414																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	0	0	0	0	0	0	0	5.2	3.4	0	0	0	0	5.2						
REC	0	0	0	0	0	0	0	5.1	3.4	0	0	0	0	5.1						
REF. NO.	IC3416										IC3417									
MODE	1	2	3	4	5						1	2	3	4	5	6	7	8		
STOP	2.5	2.5	0	0	4.9						3.1	0	0	−4.8	0	0.1	0.3	4.8		
REC	2.5	2.5	0	0	4.9						3.1	0	0	−4.8	0	0.1	0.3	4.8		
REF. NO.	IC3418																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0.4	0.3	0.4	0.4	3.9	0	0	0	4.8	2.6	4.8	4.9	4.9	2.6	2.6	4.9	0.8	0
REC	0	0	0	0	0	0	4.8	0	0	0	4.8	2.6	4.8	4.8	4.8	2.6	2.6	4.8	0.8	0
REF. NO.	IC3418																			
MODE	21	22	23	24																
STOP	0	0.6	0.6	0																
REC	0	0.6	0.6	0																

REF. NO.	IC3419									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	4.9	0	2.5	4.9	0	4.9	0	4.9	0	4.9
REC	4.9	0	2.5	4.9	0	4.9	0	4.9	0	4.9
REF. NO.	IC3419									
MODE	11	12	13	14						
STOP	2.5	0	4.9	4.9						
REC	2.5	0	4.9	4.9						
REF. NO.	IC3420					IC3421				
MODE	1	2	3	4	5	1	2	3	4	5
STOP	0	0	0	0	4.9	0	2.5	0	2.5	4.9
REC	0	0	0	0	4.9	0	2.5	0	2.5	4.9
REF. NO.	Q3401									
MODE	E	C	B							
STOP	0.3	4.8	0.9							
REC	0.3	4.8	0.9							
REF. NO.	QR3401									
MODE	1	2	3	4	5	6				
STOP	4.8	1.9	1.4	4.8	1.4	0.8				
REC	4.8	1.9	1.4	4.8	1.4	0.8				

IC3418
CXD1175AM


DVSS
VRB
VRBS
AVSS
AVSS
VIN
AVDD
VRT
VRTS
AVDD
AVDD
DVDD
24
23
22
21
20
19
18
17
16
15
14
13
REFERENCE REGULATOR
LSB SAMPLING COMPARATOR (4BIT)
LSB SAMPLING COMPARATOR (4BIT)
MSB SAMPLING COMPARATOR (4BIT)
LSB ENCODER (4BIT)
LSB ENCODER (4BIT)
MSB ENCODER (4BIT)
LSB DATA LATCH
MSB DATA LATCH
CLOCK GENERATOR
1
2
3
4
5
6
7
8
9
10
11
12
$\overline{OE}$
DVSS
D0 (LSB)
D1
D2
D3
D4
D5
D6
D7 (MSB)
DVDD
CLK

VIDEO I/O-6 SCHEMATIC DIAGRAM 6/7 (E5: Page CBA-8)


1
2
3
4
A
B
C
D
E
F
G
R3501 0/J6
D3501 11EQS04
D5V
C3501 6V100/EVV
C3502 0.1/UFN
P3931
VJP3176B100
Y_OUT (3)
2H_DOP_L (5)
Y_DOP_L (5)
TRICK_L (1,5)
T_METER (3)
LNC_Y (3)
A_DUB_L (2)
SYNC_NC (3)
EDIT_H (3)
NC_Y (3)
MOD_C (4)
DL_EE_SW_L (5)
HD_SYNC (3)
PB_HSS (3)
FSC (2,5)
V_HSW (1,5)
RFY (1)
NOTCH_ON_H (3)
+12V
A5V
-5V
(5) INC_MODE0
(5) INC_MODE1
(1) SYNC_TIP_P
(3) SIG_DET2_L
(1,4) V_REC_L
(1) S_VHS_SW_L
(3,4) A_COLOR_L
(3) TBC_ON_H
(5) HASW
(1) ENV_SLT
(1) S_VHS_H
(4) MOD_Y
(1) S_CASS_H
(5) VV_Y
(1) RELAY_L
(1) RTSW
(3) V_MATER
(3) EE_Y
(3) VD_SYNC
(2) RF_C
(1,3,5) EE_SW_L
(1) CPS_H
A5V
+12V
-5V

A	NO	B
D_GND	1	D_GND
D5.5V	2	D5.5V
Y_OUT	3	INC_MODE0
	4	INC_MODE1
	5	SEARCH(L)
	6	SYNC_TIP_P
	7	SIG_DET2_L
	8	
2H_DOP(L)	9	
Y_DOP(L)	10	AGC_VIDEO
	11	V_REC(L)
TRICK(L)	12	
VITC_REC	13	VITC_MUT
	14	GND
SIG_DET(L)	15	TBC_FSC
T_METER	16	GND
GND	17	S_VHS_SW_L
LNC_Y	18	COLOR(L)
A_DUB(L)	19	A_COLOR(L)
SYNC_NC	20	TBC_ON_H
GND	21	GND
FM_REC(H)	22	H_AMP_SW
DEM_Y	23	GND
EDIT(H)	24	ENV_SLT
NC_Y	25	YH_BUFF
GND	26	Y_DNR_ON_L
MOD_C	27	S_VHS(H)
DL_EE_SW_L	28	MOD_Y
AGC_LEVEL	29	GND
	30	S_CASS(H)
GND	31	VV_Y
HD_SYNC	32	S_VIDEO(L)
REC_HSS	33	RELAY(L)
SYNC	34	RTSW
PB_HSS	35	V_MATER
FSC	36	PB_HD
V_HSW	37	EE_Y
B/W(L)	38	VD_SYNC
EE_C	39	GND
GND	40	RF_C
RF_Y	41	EE_SW(L)
GND	42	CPS_H
SEP_Y	43	GND
GND	44	4P_C(X)
CPS_V	45	GND
NOTCH_ON_H	46	LINE/Y(X)
GND	47	GND
-5V	48	-5V
A5V	49	A5V
12V	50	12V

VIDEO I/O COMPARISON CHART 7/7 (E5: Page CBA-8)

REF	AG-8700	AG-8600
C3004	0. 022/UBN	*PAT/UBN
C3005	50VR47/EVV	*PAT/EVV
C3031	*PAT/UN	*PAT/UN
C3036	*PAT/UN	*PAT/UN
C3052	6V22/EVV	*PAT/EVV
C3082	*PAT/UN	*PAT/UN
C3084	*PAT/UFN	*PAT/UFN
C3101	*PAT/UFN	*PAT/UFN
C3128	*PAT/EVV	*PAT/EVV
C3134	*PAT/EVV	*PAT/EVV
C3137	*PAT/UFN	*PAT/UFN
C3222	*PAT/UN	*PAT/UN
C3238	25V4R7/EVN	*PAT/EVN
C3301	*PAT/UFN	*PAT/UFN
C3304	*PAT	*PAT
C3305	0. 1/UFN	*PAT/UFN
C3306	0. 01/UBN	*PAT/UBN
C3307	0. 01/UBN	*PAT/UBN
C3308	0. 01/UBN	*PAT/UBN
C3309	0. 01/UBN	*PAT/UBN
C3310	0. 01/UBN	*PAT/UBN
C3311	0. 01/UBN	*PAT/UBN
C3312	0. 01/UBN	*PAT/UBN
C3313	0. 01/UBN	*PAT/UBN
C3314	0. 01/UBN	*PAT/UBN
C3315	0. 01/UBN	*PAT/UBN
C3316	0. 01/UBN	*PAT/UBN
C3317	0. 01/UBN	*PAT/UBN
C3318	0. 01/UBN	*PAT/UBN
C3319	0. 1/ZFN	*PAT/ZFN
C3320	0. 1/ZFN	*PAT/ZFN
C3321	0. 1/ZFN	*PAT/ZFN
C3322	0. 1/ZFN	*PAT/ZFN
C3323	0. 1/ZFN	*PAT/ZFN
C3324	*PAT/UN	*PAT/UN
C3325	120P/UN	*PAT/UN
C3326	150P/UN	*PAT/UN
C3327	18P/UN	*PAT/UN
C3328	220P/UN	*PAT/UN
C3329	270P/UN	*PAT/UN
C3330	330P/UN	*PAT/UN
C3331	390P/UN	*PAT/UN
C3332	39P/UN	*PAT/UN
C3333	*PAT/UFN	*PAT/UFN
C3334	10P/UN	*PAT/UN
C3335	*PAT/UFN	*PAT/UFN

REF	AG-8700	AG-8600
C3336	180P/UN	*PAT/UN
C3337	0. 01/UFN	*PAT/UFN
C3338	6V47/EVV	*PAT/EVV
C3339	6V47/EVV	*PAT/EVV
C3340	6V47/EVV	*PAT/EVV
C3341	6V47/EVV	*PAT/EVV
C3342	50V3R3/EVV	*PAT/EVV
C3343	18P/UN	*PAT/UN
C3344	0. 01/UBN	*PAT/UBN
C3345	33P/UN	*PAT/UN
C3346	33P/UN	*PAT/UN
C3347	68P/UN	*PAT/UN
C3477	*PAT/UN	*PAT/UN
C3606	*PAT/UFN	*PAT/UFN
D3001	MA151K-TX	*PAT
D3004	*PAT	*PAT
D3005	*PAT	*PAT
D3205	*PAT	*PAT
FL3301	ELB4H068	*PAT
IC3008	*PAT	*PAT
IC3009	*PAT	*PAT
IC3301	NJM2234MA-T1	*PAT
IC3302	AN6308S	*PAT
IC3303	AN6308S	*PAT
IC3415	*PAT	*PAT
L3005	*PAT/LA	*PAT/LA
L3301	*PAT/LA	*PAT/LA
L3303	*PAT/LA	*PAT/LA
L3304	*PAT/LC	*PAT/LC
L3305	*PAT/LC	*PAT/LC
L3306	*PAT/LC	*PAT/LC
L3307	82U/LA	*PAT/LA
L3308	150U/LA	*PAT/LA
L3309	*PAT/LC	*PAT/LC
L3310	*PAT/LA	*PAT/LA
L3311	100U/LA	*PAT/LA
L3312	220U/LA	*PAT/LA
L3313	220U/LA	*PAT/LA
L3314	4R7U/LA	*PAT/LA
L3315	6R8U/LA	*PAT/LA
L3316	100U/LC	*PAT/LC
L3318	100U/LC	*PAT/LC
L3319	100U/LC	*PAT/LC
L3320	6R8U/LA	*PAT/LA
L3321	150U/LA	*PAT/LA
P3401	*PAT	*PAT

REF	AG-8700	AG-8600
Q3003	2SB643-QRS	*PAT
Q3301	MSD601-RT2	*PAT
Q3302	MSB709-RT2	*PAT
Q3303	MSD601-RT2	*PAT
Q3304	MSC2295-BT2	*PAT
Q3305	MSB709-RT2	*PAT
Q3306	MSD601-RT2	*PAT
Q3307	MSD601-RT2	*PAT
Q3308	MSD601-RT2	*PAT
Q3309	MSD601-RT2	*PAT
Q3310	MSD601-RT2	*PAT
Q3311	MSD601-RT2	*PAT
Q3312	MSC2295-BT2	*PAT
QR3001	MRN2404TE85R	*PAT
QR3002	DTC363EK-T97	*PAT
QR3011	MRN1404TE85R	*PAT
QR3012	*PAT	*PAT
QR3013	*PAT	*PAT
QR3103	*PAT	*PAT
R3005	3300/J6	*PAT/J6
R3006	22K/J6	*PAT/J6
R3007	3300/J6	*PAT/J6
R3008	3300/J6	*PAT/J6
R3014	*PAT/J6	*PAT/J6
R3017	*PAT/J6	*PAT/J6
R3035	*PAT/J6	*PAT/J6
R3043	*PAT/J6	*PAT/J6
R3063	*PAT/J6	*PAT/J6
R3076	*PAT/J6	*PAT/J6
R3078	*PAT/J6	*PAT/J6
R3087	*PAT/J6	*PAT/J6
R3088	*PAT/J6	*PAT/J6
R3101	*PAT/J6	*PAT/J6
R3102	*PAT/J6	*PAT/J6
R3148	*PAT/J6	*PAT/J6
R3155	*PAT/J6	*PAT/J6
R3202	*PAT/J6	*PAT/J6
R3300	1M/J6	1/UFN
R3301	*PAT/J6	*PAT/J6
R3302	0/J6	*PAT/J6
R3305	0/J6	*PAT/J6

REF	AG-8700	AG-8600
R3306	100/J6	*PAT/J6
R3307	*PAT/J6	*PAT/J6
R3308	1200/J6	*PAT/J6
R3309	1000/J6	*PAT/J6
R3310	1000/J6	*PAT/J6
R3311	390/J6	*PAT/J6
R3312	1000/J6	*PAT/J6
R3313	1000/J6	*PAT/J6
R3314	1000/J6	*PAT/J6
R3315	1000/J6	*PAT/J6
R3316	1000/J6	*PAT/J6
R3318	100/J6	*PAT/J6
R3319	220/J6	*PAT/J6
R3320	620/J6	*PAT/J6
R3321	1500/J6	*PAT/J6
R3322	0/J6	*PAT/J6
R3323	1500/J6	*PAT/J6
R3324	15K/J6	*PAT/J6
R3325	220/J6	*PAT/J6
R3326	220/J6	*PAT/J6
R3327	2200/J6	*PAT/J6
R3328	2200/J6	*PAT/J6
R3329	2200/J6	*PAT/J6
R3330	2200/J6	*PAT/J6
R3331	2200/J6	*PAT/J6
R3332	2200/J6	*PAT/J6
R3333	2200/J6	*PAT/J6
R3334	22K/J6	*PAT/J6
R3335	22K/J6	*PAT/J6
R3336	1500/J6	*PAT/J6
R3337	330/J6	*PAT/J6
R3338	330/J6	*PAT/J6
R3339	1500/J6	*PAT/J6
R3340	3300/J6	*PAT/J6
R3341	510/J6	*PAT/J6
R3342	47/J6	*PAT/J6
R3343	330/J6	*PAT/J6
R3344	4700/J6	*PAT/J6
R3345	680/J6	*PAT/J6
R3346	680/J6	*PAT/J6
R3347	82/J6	*PAT/J6
R3348	82/J6	*PAT/J6
R3349	820/J6	*PAT/J6
R3350	*PAT/J6	*PAT/J6
R3351	0/J6	*PAT/J6
R3352	680/J6	*PAT/J6

REF	AG-8700	AG-8600
R3353	0/J6	*PAT/J6
R3354	2200/J6	*PAT/J6
R3355	1000/J6	*PAT/J6
R3356	*PAT/J6	*PAT/J6
R3357	560/J6	*PAT/J6
R3358	10K/J6	*PAT/J6
R3359	220/J6	*PAT/J6
R3360	10K/J6	*PAT/J6
R3361	1800/J6	*PAT/J6
R3401	*PAT/J6	*PAT/J6
R3402	*PAT/J6	*PAT/J6
R3404	*PAT/J6	*PAT/J6
R3410	*PAT/J6	*PAT/J6
R3417	*PAT/J6	*PAT/J6
R3429	*PAT/J6	*PAT/J6
R3433	*PAT/J6	*PAT/J6
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R3436	*PAT/J6	*PAT/J6
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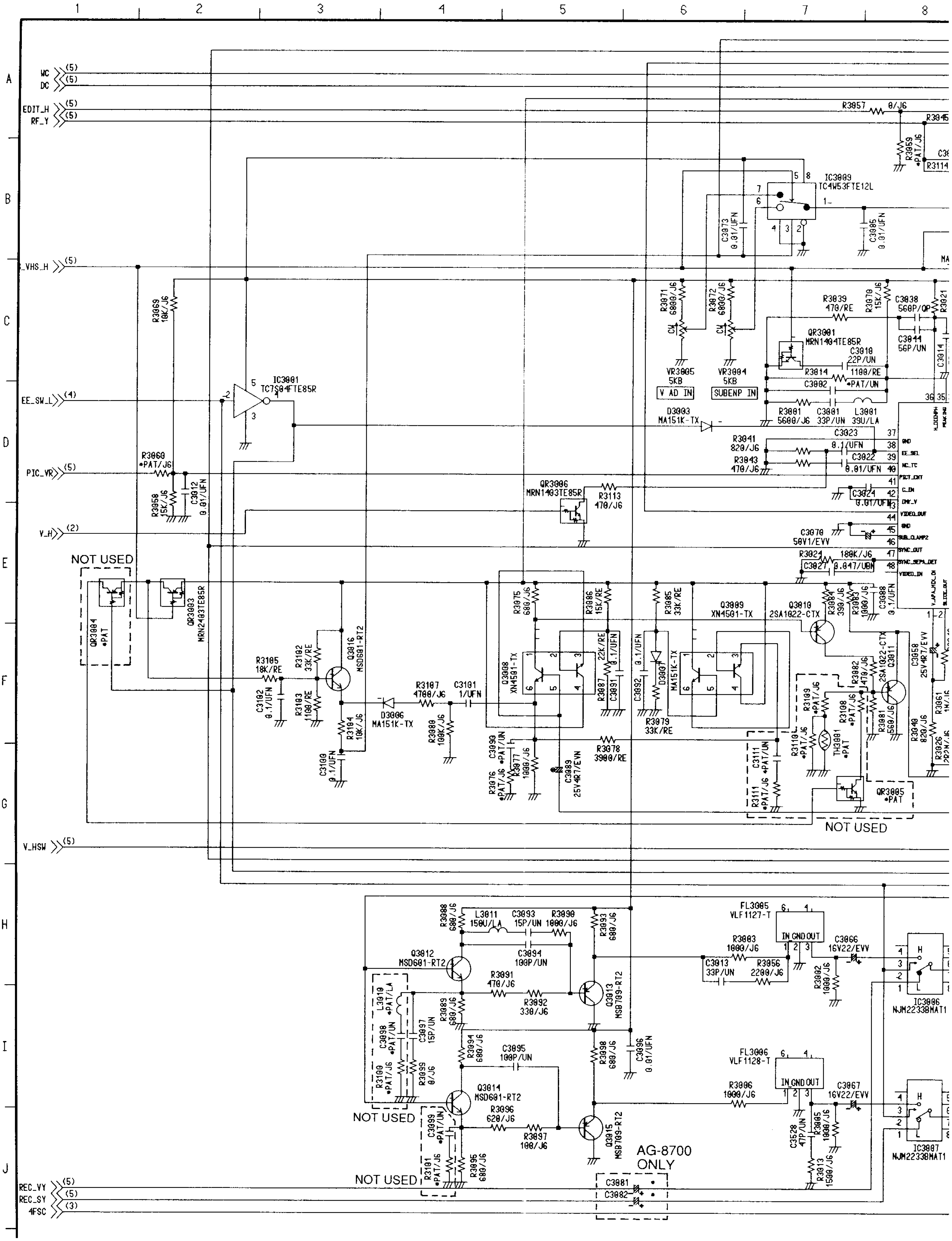
R3467	*PAT/J6	*PAT/J6
R3476	*PAT/J6	*PAT/J6
R3479	*PAT/J6	*PAT/J6
R3502	*PAT/J6	*PAT/J6
R3503	*PAT/J6	*PAT/J6
R3612	*PAT/J6	*PAT/J6
TP3301	VJR0098	*PAT
TP3302	VJR0098	*PAT
VR3301	2KB	*PAT
R3613	*PAT/J6	*PAT/J6

VIDEO YC-1 SCHEMATIC DIAGRAM 1/6 (E6: Page CBA-7)



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A
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C
D
E
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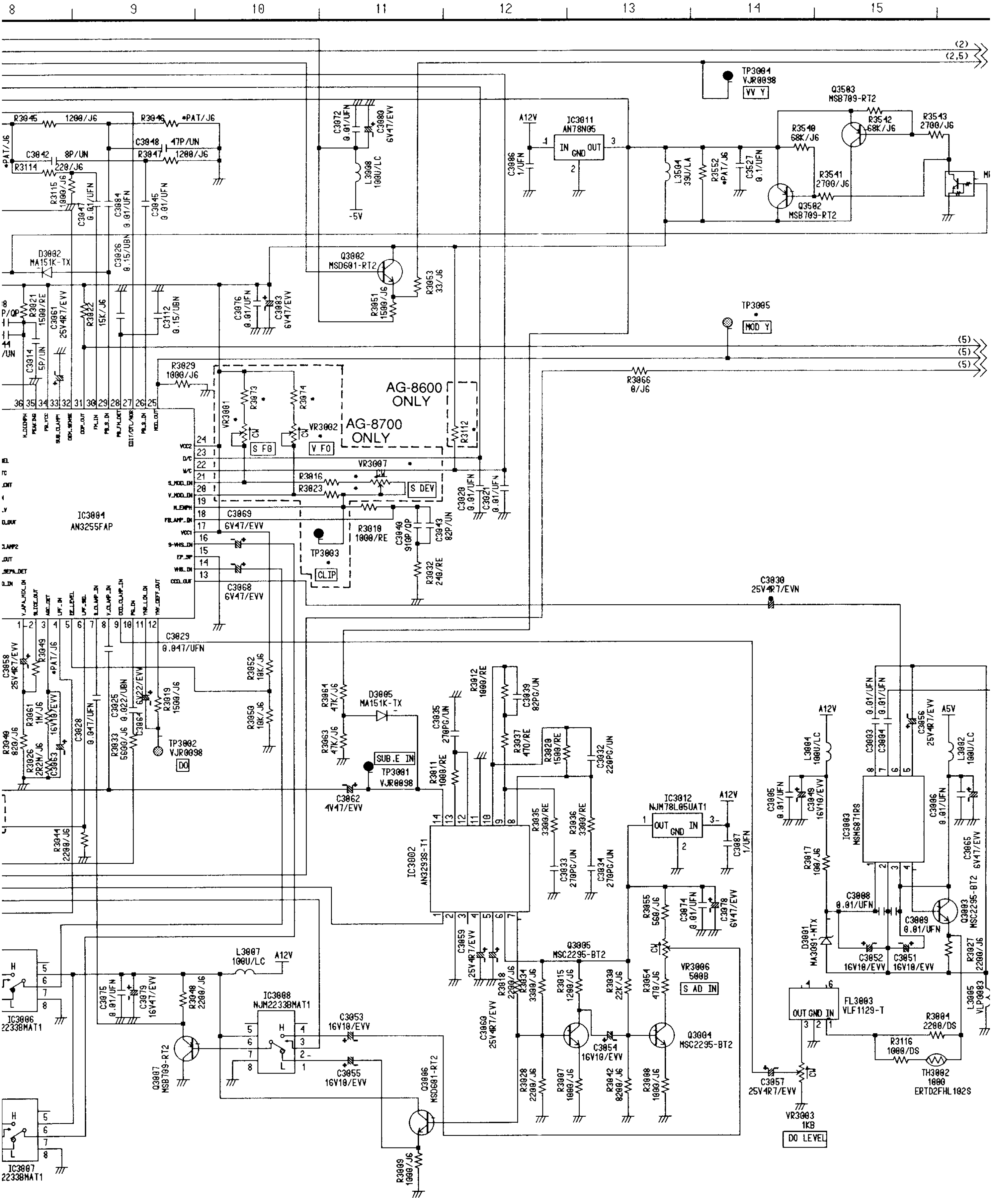
G
H
I
J
WC (5)
DC (5)
EDIT_H (5)
RF_Y (5)
_VHS_H (5)
EE_SW_L (4)
PIC_VR (5)
V_H (2)
V_HSW (5)
REC_VY (5)
REC_SY (5)
4FSC (3)
IC3009 TC4W53FTE12L
C3073 0.01/UFN
C3085 0.01/UFN
R3057 0/J6
R3059 •PAT/J6
R3045
R3114
R3071 6800/J6
R3072 6800/J6
VR3005 5KB
VR3004 5KB
V AD IN
SUBENP IN
R3039 470/RE
R3070 15K/J6
C3038 560P/QP
R3021
C3044 56P/UN
C3014
QR3001 MRN1404TE85R
C3010 22P/UN
R3014 1100/RE
C3002 •PAT/UN
R3001 5600/J6
C3001 33P/UN
L3001 39U/LA
D3003 MA151K-TX
R3041 820/J6
R3043 470/J6
C3023 0.1/UFN
C3022 0.01/UFN
C3024 0.01/UFN
C3070 50V1/EVV
R3024 180K/J6
C3027 0.047/UBN
IC3001 TC7S04FTE85R
R3069 10K/J6
R3060 •PAT/J6
R3058 15K/J6
C3012 0.01/UFN
QR3006 MRN1403TE85R
R3113 470/J6
NOT USED
QR3004 •PAT
QR3003 MRN2403TE85R
R3105 18K/RE
C3102 0.1/UFN
R3102 33K/RE
R3103 1100/RE
Q3016 MSD601-RT2
R3104 10K/J6
C3100 0.1/UFN
D3006 MA151K-TX
R3107 4700/J6
C3101 1/UFN
R3080 100K/J6
R3075 680/J6
Q3008 XN4501-TX
R3086 15K/J6
R3087 22K/RE
C3091 0.1/UFN
C3090 •PAT/UN
R3076 •PAT/J6
R3077 1000/J6
C3089 25V4R7/EVN
R3078 3900/RE
R3085 33K/RE
C3092 0.1/UFN
D3007 MA151K-TX
R3079 33K/RE
Q3009 XN4501-TX
Q3010 2SA1022-CTX
R3084 330/J6
R3083 1000/J6
C3088 0.1/UFN
Q3011 2SA1022-CTX
C3058 25V4R7/EVV
R3109 •PAT/J6
R3108 •PAT/J6
R3082 470/J6
R3081 560/J6
R3110 •PAT/J6
TH3001 •PAT
C3111 •PAT/UN
R3111 •PAT/J6
QR3005 •PAT
R3040 820/J6
R3026
R3061
GND
EE_SEL
NC_TC
PICT_CNT
C_IN
DLY_Y
VIDEO_OUT
SUB_CLAMP2
SYNC_OUT
SYNC_SEPA_DET
VIDEO_IN
R3088 680/J6
L3011 150U/LA
C3093 15P/UN
R3090 1000/J6
C3094 100P/UN
Q3012 MSD601-RT2
R3091 470/J6
R3092 330/J6
R3093 680/J6
Q3013 MSB709-RT2
R3089 680/J6
L3010 •PAT/LA
C3098 •PAT/UN
C3097 15P/UN
R3100 •PAT/J6
R3099 0/J6
R3094 680/J6
C3095 100P/UN
R3098 680/J6
C3096 0.01/UFN
Q3014 MSD601-RT2
R3096 620/J6
R3097 100/J6
Q3015 MSB709-RT2
C3099 •PAT/UN
R3101 •PAT/J6
R3095 680/J6
AG-8700 ONLY
C3081
C3082
FL3005 VLF1127-T
R3003 1000/J6
C3013 33P/UN
R3056 2200/J6
C3066 16V22/EVV
R3002 1000/J6
IC3006 NJM2233BMAT1
FL3006 VLF1128-T
R3006 1000/J6
C3067 16V22/EVV
C3528 47P/UN
R3005 1000/J6
R3013 1500/J6
IC3007 NJM2233BMAT1
IN GND OUT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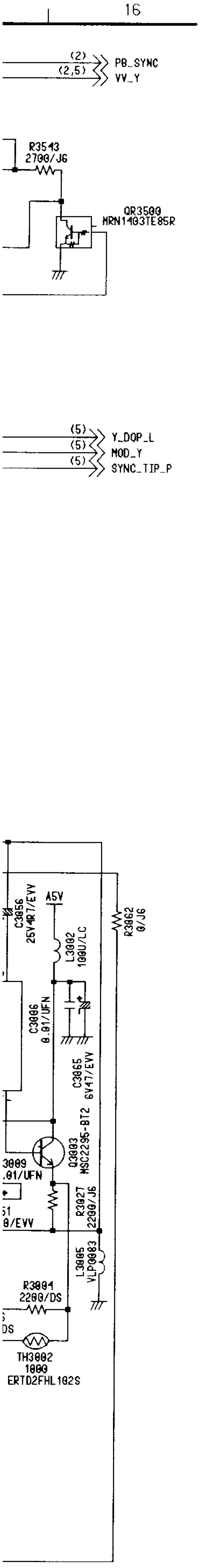
(2)
(2,5)
(5)
(5)
(5)
TP3004
VJR0098
VV Y
Q3503
MSB709-RT2
R3045
1200/J6
R3046
*PAT/J6
C3042
8P/UN
R3114
220/J6
C3048
47P/UN
R3047
1200/J6
R3115
1000/J6
C3047
0.01/UFN
C3084
0.01/UFN
C3045
0.01/UFN
C3072
0.01/UFN
C3080
6V47/EVV
L3008
100U/LC
-5V
A12V
IC3011
AN78N05
IN
GND
OUT
C3086
1/UFN
L3504
39U/LA
R3552
*PAT/J6
C3527
0.1/UFN
R3540
68K/J6
R3542
68K/J6
R3543
2700/J6
R3541
2700/J6
Q3502
MSB709-RT2
D3002
MA151K-TX
C3026
0.15/UBN
Q3002
MSD601-RT2
R3053
33/J6
R3051
1500/J6
R3021
1500/RE
C3061
25V4R7/EVV
R3022
15K/J6
C3112
0.15/UBN
C3076
0.01/UFN
C3083
6V47/EVV
TP3005
MOD Y
C3014
5P/UN
R3029
1000/J6
R3066
0/J6
VR3001
R3073
R3074
VR3002
S FO
V FO
AG-8600 ONLY
AG-8700 ONLY
R3112
VR3007
R3016
R3023
S DEV
C3020
0.01/UFN
C3021
0.01/UFN
IC3004
AN3255FAP
C3069
6V47/EVV
R3010
1000/RE
C3040
910P/QP
C3043
82P/UN
R3032
240/RE
TP3003
CLIP
C3068
6V47/EVV
C3030
25V4R7/EVN
C3029
0.047/UFN
C3058
25V4R7/EVV
R3049
*PAT/J6
R3061
1M/J6
16V10/EVV
R3040
820/J6
R3026
2R2M/J6
C3063
C3028
0.047/UFN
C3025
0.022/UBN
R3033
5600/J6
C3064
6V22/EVV
R3019
1500/J6
TP3002
VJR0098
DO
R3052
10K/J6
R3050
10K/J6
R3064
47K/J6
R3063
47K/J6
D3005
MA151K-TX
SUB.E IN
TP3001
VJR0098
C3062
4V47/EVV
C3035
270PG/UN
R3012
1000/RE
C3039
82PG/UN
R3011
1000/RE
R3037
470/RE
R3020
1500/RE
C3032
220PG/UN
IC3002
AN3293S-T1
R3035
3300/RE
R3036
3300/RE
C3033
270PG/UN
C3034
270PG/UN
IC3012
NJM78L05UAT1
A12V
C3087
1/UFN
R3044
2200/J6
C3059
25V4R7/EVV
C3060
25V4R7/EVV
R3018
2200/J6
R3034
3300/J6
Q3005
MSC2295-BT2
R3015
1200/J6
R3030
22K/J6
R3055
560/J6
C3074
0.01/UFN
C3078
6V47/EVV
VR3006
500B
S AD IN
R3054
470/J6
C3054
16V10/EVV
Q3004
MSC2295-BT2
R3028
2200/J6
R3007
1000/J6
R3042
8200/J6
R3008
1000/J6
IC3006
2233BMAT1
L3007
100U/LC
C3075
0.01/UFN
C3079
16V47/EVV
R3048
2200/J6
IC3008
NJM2233BMAT1
C3053
16V10/EVV
C3055
16V10/EVV
Q3007
MSB709-RT2
Q3006
MSD601-RT2
R3009
1000/J6
IC3007
2233BMAT1
H
L
C3057
25V4R7/EVV
VR3003
1KB
DO LEVEL
A12V
L3004
100U/LC
C3085
0.01/UFN
C3049
16V10/EVV
IC3003
MSM6871RS
C3003
0.01/UFN
C3004
0.01/UFN
C3056
25V4R7/EVV
A5V
L3002
100U/LC
C3006
0.01/UFN
C3065
6V47/EVV
R3017
100/J6
D3001
MA3091-MTX
C3008
0.01/UFN
C3009
0.01/UFN
Q3003
MSC2295-BT2
R3027
2200/J6
C3052
16V10/EVV
C3051
16V10/EVV
FL3003
VLF1129-T
OUT GND IN
R3004
2200/DS
R3116
1000/DS
TH3002
1000
ERTD2FHL102S
L3005
VLP0083

Ref No.3000 Series.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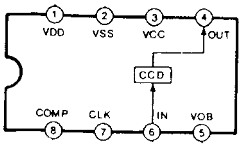
(2)
(2,5)
PB_SYNC
VV_Y
R3543
2700/J6
QR3500
MRN1403TE85R
(5)
(5)
(5)
Y_DOP_L
MOD_Y
SYNC_TIP_P
C3056
25V4R7/EVV
A5V
L3002
100U/LC
R3062
0/J6
C3006
0.01/UFN
C3065
6V47/EVV
Q3003
MSC2295-BT2
3009
.01/UFN
R3027
2200/J6
51
0/EVV
L3005
VLP0083
R3004
2200/DS
DS
TH3002
1000
ERTD2FHL102S

:ries.

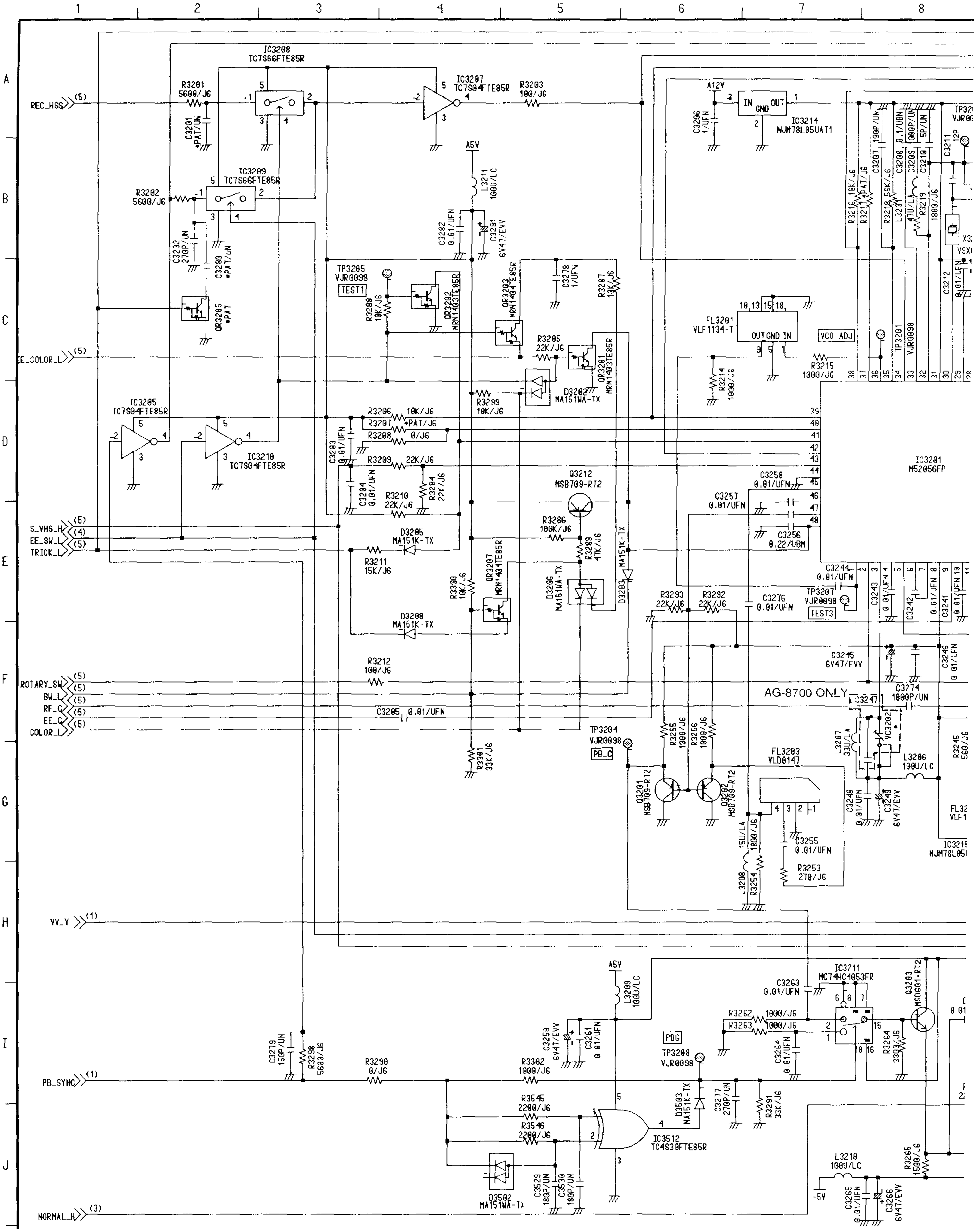
VIDEO YC-1 DC VOLTAGE CHART

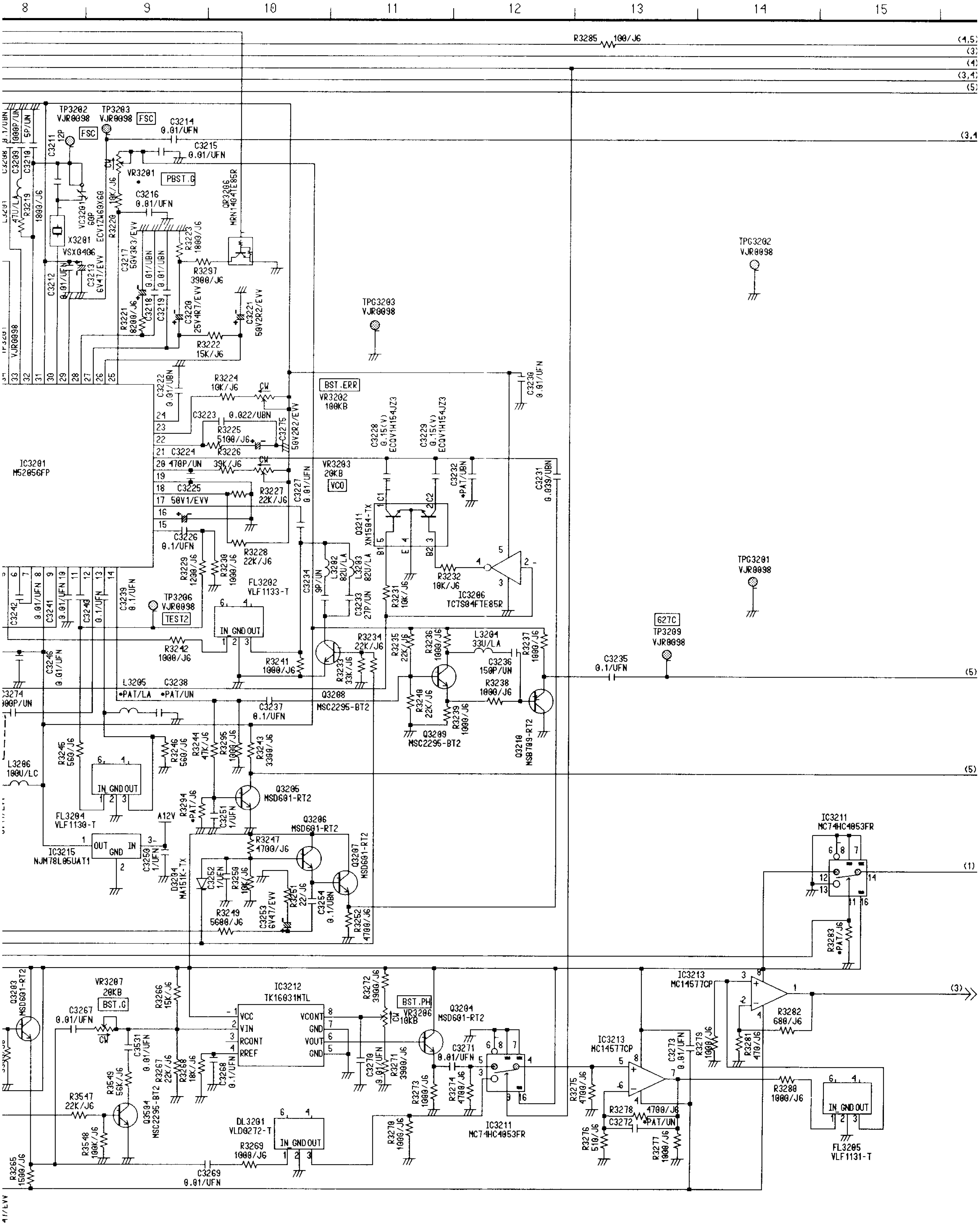
REF. NO.	IC3001																			
MODE	1	2	3	4	5															
STOP	0	0	0	5.0	5.0															
REC	0	0	0	5.0	5.0															
REF. NO.	IC3002																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	5.0	0	5.0	3.6	3.3	5.1	2.4	2.9	2.9	2.9	0	3.6	3.6	2.0						
REC	5.0	0	5.0	3.6	3.3	5.1	2.4	2.9	2.9	2.9	0	3.6	3.6	2.0						
REF. NO.	IC3003																			
MODE	1	2	3	4	5	6	7	8												
STOP	9.1	0	4.8	3.3	3.2	1.8	1.6	4.7												
REC	9.1	0	4.8	3.3	3.2	1.8	1.6	4.7												
REF. NO.	IC3004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	2.7	2.7	2.4	2.0	2.5	2.7	2.3	2.2	2.3	2.5	2.8	1.9	1.5	2.0	0	2.1	4.9	2.2	2.2	2.1
REC	2.7	2.7	2.4	2.0	2.5	2.7	2.3	2.2	2.3	2.5	2.8	1.9	1.5	2.0	0	2.1	4.9	2.2	2.2	2.1
REF. NO.	IC3004																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	2.1	3.8	2.4	4.9	3.2	2.8	4.9	2.1	2.9	2.9	1.3	0.8	2.7	4.9	0	3.3	0	4.5	2.0	3.0
REC	2.1	3.8	1.5	4.9	3.2	2.8	4.9	2.0	2.9	2.9	1.3	0.8	2.7	4.9	1.5	3.3	0	4.5	2.0	3.0
REF. NO.	IC3004																			
MODE	41	42	43	44	45	46	47	48												
STOP	3.3	0	1.5	0	2.7	0.4	2.7	2.8												
REC	3.3	0	1.5	0	2.7	0.4	2.7	2.8												
REF. NO.	IC3006										IC3007									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8		
STOP	6.9	0	7.0	0	0	11.3	6.2	0			6.9	0	7.0	0	0	11.3	6.2	0		
REC	6.9	0	7.0	0	0	11.3	6.2	0			6.9	0	7.0	0	0	11.3	6.2	0		
REF. NO.	IC3008										IC3009									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8		
STOP	6.9	0	7.0	0	0	11.3	6.2	0			0.8	0	−4.9	0	4.9	0.8	1.0	4.9		
REC	6.9	0	7.0	0	0	11.3	6.2	0			0.8	0	−4.9	0	4.9	0.8	1.0	4.9		
REF. NO.	IC3011										IC3012									
MODE	I	G	O								I	G	O							
STOP	11.4	0	5.0								11.4	0	5.0							
REC	11.4	0	5.0								11.4	0	5.0							
REF. NO.	Q3002			Q3003			Q3004			Q3005			Q3006			Q3007				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	0.9	4.9	1.5	2.5	4.8	3.3	0.7	4.0	1.4	1.5	3.3	2.2	1.6	11.3	2.2	6.9	0	6.2		
REC	0.9	4.9	1.5	2.5	4.9	3.3	0.7	4.0	1.4	1.5	3.3	2.2	1.6	11.3	2.2	6.9	0	6.2		
REF. NO.	Q3008						Q3009						Q3010			Q3011				
MODE	1	2	3	4	5	6	1	2	3	4	5	6	E	C	B	E	C	B		
STOP	3.7	3.0	2.6	5.0	2.6	2.0	5.0	2.4	2.0	5.0	2.7	2.4	4.4	1.7	0	3.3	0	2.7		
REC	3.7	3.0	2.6	5.0	2.6	2.0	5.0	2.4	2.0	5.0	2.7	2.4	4.4	1.7	0	3.3	0	2.7		
REF. NO.	Q3012			Q3013			Q3014			Q3015			Q3502			Q3503				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	1.4	3.5	2.0	2.1	0	1.4	1.4	3.5	2.0	2.1	0	1.4	5.0	4.9	4.2	5.0	4.9	4.3		
REC	1.4	3.5	2.0	2.1	0	1.4	1.4	3.5	2.0	2.1	0	1.4	5.0	4.9	4.2	5.0	4.9	4.3		
REF. NO.	QR3001			QR3003			QR3500													
MODE	E	C	B	E	C	B	E	C	B											
STOP	0	0	4.9	5.0	0.2	4.9	0	0.1	4.9											
REC	0	0	4.9	5.0	4.9	0.2	0	0.1	4.9											

IC3003
MSM6871RS


1
2
3
4
VDD
VSS
VCC
OUT
CCD
COMP
CLK
IN
VOB
8
7
6
5

VIDEO YC-2 SCHEMATIC DIAGRAM 2/6 (E6: Page CBA-7)


1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
I
J
REC_HSS (5)
EE_COLOR_L (5)
S_VHS_H (5)
EE_SW_L (4)
TRICK_L (5)
ROTARY_SW (5)
BW_L (5)
RF_C (5)
EE_C (5)
COLOR_L (5)
VV_Y (1)
PB_SYNC (1)
NORMAL_H (3)
IC3208 TC7S66FTE85R
IC3207 TC7S04FTE85R
IC3209 TC7S66FTE85R
IC3205 TC7S04FTE85R
IC3210 TC7S04FTE85R
IC3214 NJM78L05UAT1
IC3201 M52056FP
IC3211 MC74HC4053FR
IC3512 TC4S30FTE85R
R3201 5600/J6
R3202 5600/J6
R3203 100/J6
C3201 •PAT/UN
C3202 270P/UN
C3280 •PAT/UN
QR3205 •PAT
A5V
A12V
L3211 100U/LC
C3282 0.01/UFN
C3281 6V47/EVV
C3206 1/UFN
TP3205 VJR0098
TEST1
R3288 10K/J6
QR3202 MRN1403TE85R
QR3203 MRN1404TE85R
C3278 1/UFN
R3287 10K/J6
R3205 22K/J6
QR3201 MRN1403TE85R
D3202 MA151WA-TX
R3299 10K/J6
FL3201 VLF1134-T
VCO ADJ
TP3201 VJR0098
R3214 1000/J6
R3215 1000/J6
R3216 10K/J6
R3217 •PAT/J6
R3218 56K/J6
L3201 47U/LA
R3219 1800/J6
C3207 100P/UN
C3208 0.1/UBN
C3209 100P/UN
C3210 5P/UN
C3211 12P
C3212 0.01/UFN
R3206 10K/J6
R3207 •PAT/J6
R3208 0/J6
R3209 22K/J6
R3284 22K/J6
R3210 22K/J6
C3203 0.01/UFN
C3204 0.01/UFN
Q3212 MSB709-RT2
R3286 100K/J6
R3289 47K/J6
D3205 MA151K-TX
R3211 15K/J6
D3206 MA151WA-TX
D3203 MA151K-TX
QR3207 MRN1404TE85R
R3300 10K/J6
D3208 MA151K-TX
C3258 0.01/UFN
C3257 0.01/UFN
C3256 0.22/UBM
C3244 0.01/UFN
TP3207 VJR0098
TEST3
R3293 22K/J6
R3292 22K/J6
C3276 0.01/UFN
C3243
C3242
C3241
C3245 6V47/EVV
C3246 0.01/UFN
R3212 100/J6
C3205 0.01/UFN
AG-8700 ONLY
C3247
C3274 1000P/UN
R3301 33K/J6
TP3204 VJR0098
PB_C
R3255 1000/J6
R3256 1000/J6
FL3203 VLD0147
Q3201 MSB709-RT2
Q3202 MSB709-RT2
L3207 33U/LA
VC3202
L3206 100U/LC
R3245 560/J6
C3248 0.01/UFN
C3249 6V47/EVV
C3255 0.01/UFN
R3253 270/J6
L3208 15U/LA
R3254 1800/J6
IC3215 NJM78L05
A5V
L3209 100U/LC
C3259 6V47/EVV
C3261 0.01/UFN
C3263 0.01/UFN
R3262 1000/J6
R3263 1000/J6
C3264 0.01/UFN
R3264 330/J6
Q3203 MSD601-RT2
C3279 150P/UN
R3298 5600/J6
R3290 0/J6
R3302 1000/J6
PBG
TP3208 VJR0098
D3503 MA151K-TX
C3277 270P/UN
R3291 33K/J6
R3545 2200/J6
R3546 2200/J6
D3502 MA151WA-TX
C3529 180P/UN
C3530 180P/UN
L3210 100U/LC
-5V
C3265 0.01/UFN
C3266 6V47/EVV
R3265 1500/J6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9
10
11
12
13
14
15
R3285 100/J6
(4,5)
(3)
(4)
(3,4)
(5)
(3,4
TP3202 VJR0098
TP3203 VJR0098
FSC
C3214 0.01/UFN
C3215 0.01/UFN
C3211 12P
VR3201
PBST.G
C3216 0.01/UFN
QR3206 MRN14G4TE85R
VC3201 60P ECV1ZW60X60
R3220 10K/J6
R3219 1800/J6
X3201 VSX0406
C3212 0.01/UFN
C3213 6V47/EVV
C3217 50V3R3/EVV
C3218 0.01/UBN
C3219 0.01/UBN
R3223 1800/J6
R3297 3900/J6
R3221 8200/J6
C3220 25V4R7/EVV
C3221 50V2R2/EVV
R3222 15K/J6
C3222 0.01/UBN
R3224 10K/J6
BST.ERR
VR3202 100KB
C3230 0.01/UFN
C3223 0.022/UBN
R3225 5100/J6
C3275 50V2R2/EVV
C3224
R3226
IC3201 M52056FP
470P/UN
39K/J6
VR3203 20KB
VCO
C3227 0.01/UFN
C3225 50V1/EVV
R3227 22K/J6
C3226 0.1/UFN
R3228 22K/J6
R3229 1200/J6
R3230 1000/J6
C3228 0.15(V) ECQV1H154JZ3
C3229 0.15(V) ECQV1H154JZ3
C3232 •PAT/UBN
C3231 0.039/UBN
Q3211 XN1504-TX
R3231 10K/J6
R3232 10K/J6
IC3206 TC7S04FTE85R
TPG3203 VJR0098
TPG3202 VJR0098
TPG3201 VJR0098
C3239 0.1/UFN
TP3206 VJR0098
TEST2
FL3202 VLF1133-T
C3234 9P/UN
L3202 82U/LA
L3203 82U/LA
C3233 27P/UN
IN GND OUT
R3242 1000/J6
R3241 1000/J6
R3234 22K/J6
R3233 33K/J6
R3235 22K/J6
R3236 1000/J6
L3204 33U/LA
C3236 150P/UN
R3237 1000/J6
R3238 1000/J6
R3240 22K/J6
R3239 1000/J6
Q3209 MSC2295-BT2
Q3210 MSB709-RT2
627C
TP3209 VJR0098
C3235 0.1/UFN
C3242
C3241 0.01/UFN
C3240 0.1/UFN
C3246 0.01/UFN
C3274 100P/UN
L3205 •PAT/LA
C3238 •PAT/UN
C3237 0.1/UFN
Q3208 MSC2295-BT2
R3245 560/J6
R3246 560/J6
R3244 47K/J6
R3295 1000/J6
R3243 3300/J6
L3206 100U/LC
FL3204 VLF1130-T
Q3205 MSD601-RT2
R3294 •PAT/J6
C3251 1/UFN
A12V
IC3215 NJM78L05UAT1
OUT GND IN
C3250 1/UFN
Q3206 MSD601-RT2
R3247 4700/J6
Q3207 MSD601-RT2
D3204 MA151K-TX
C3252 1/UFN
R3250 10K/J6
R3251 22/J6
C3254 0.1/UBN
R3249 5600/J6
C3253 6V47/EVV
R3252 4700/J6
IC3211 MC74HC4053FR
R3283 •PAT/J6
(1)
Q3203 MSD601-RT2
VR3207 20KB
BST.G
C3267 0.01/UFN
R3266 15K/J6
IC3212 TK16031MTL
VCC VIN RCONT RREF
VCONT GND VOUT GND
R3272 3900/J6
BST.PH
VR3206 10KB
Q3204 MSD601-RT2
C3271 0.01/UFN
IC3213 MC14577CP
R3282 680/J6
R3281 470/J6
R3279 1000/J6
C3273 0.01/UFN
(3)
C3531 0.01/UFN
R3549 56K/J6
R3267 22K/J6
R3268 18K/J6
C3268 0.1/UFN
C3270 0.01/UFN
R3271 3900/J6
R3273 1000/J6
R3274 4700/J6
R3275 4700/J6
R3278 4700/J6
C3272 •PAT/UN
R3276 510/J6
R3277 1000/J6
R3280 1000/J6
FL3205 VLF1131-T
R3547 22K/J6
Q3504 MSC2295-BT2
R3548 100K/J6
DL3201 VLD0272-T
R3269 1000/J6
R3270 1000/J6
R3265 1500/J6
C3269 0.01/UFN
CW

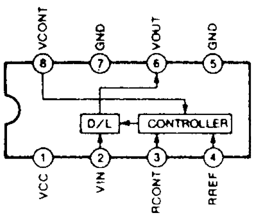
Ref No.3200 Series.

16
(4,5) VV_SYNC
(3) SYNC
(4) PB_BGP
(3,4) VV_C
(5) CPS_H
(3,4) PB_FSC
(5) 627_REC_C
(5) A_COLOR_L
(1) V_H
(3) PBC_OUT

VIDEO YC-2 DC VOLTAGE CHART

REF. NO.	IC3201																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	2.3	2.4	5.1	3.2	2.4	3.0	3.9	5.1	3.1	3.4	2.3	3.2	3.1	2.5	3.2	3.4	3.2	2.6	0	0
REC	2.3	2.4	5.1	3.2	2.4	3.0	3.9	5.1	3.1	3.4	2.3	3.2	3.1	2.5	3.2	3.4	3.2	2.6	0	0
REF. NO.	IC3201																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	2.3	3.4	2.0	3.2	0.9	3.4	3.4	4.0	3.6	3.2	5.1	3.9	3.2	0.4	3.0	2.7	0	4.2	4.4	0
REC	2.3	3.4	2.0	3.2	0.9	3.4	3.4	4.0	3.6	3.0	5.1	3.9	3.2	0.4	3.0	2.7	0	4.2	4.4	0
REF. NO.	IC3201																			
MODE	41	42	43	44	45	46	47	48												
STOP	0	2.5	2.5	0	3.2	3.4	2.5	4.9												
REC	0	2.5	2.5	0	3.2	3.4	2.5	4.9												
REF. NO.	IC3205										IC3206									
MODE	1	2	3	4	5						1	2	3	4	5					
STOP	0	0.4	0	4.5	4.9						0	2.4	0	2.5	5.1					
REC	0	0.4	0	4.5	4.9						0	2.4	0	2.5	5.1					
REF. NO.	IC3207										IC3208									
MODE	1	2	3	4	5						1	2	3	4	5					
STOP	0	4.6	0	0.4	4.9						4.6	4.6	0	4.9	4.9					
REC	0	4.6	0	0.4	4.9						4.6	4.6	0	4.9	4.9					
REF. NO.	IC3209										IC3210									
MODE	1	2	3	4	5						1	2	3	4	5					
STOP	4.5	4.6	0	0	4.9						0	0	0	4.9	4.9					
REC	4.5	4.9	0	0	4.9						0	0	0	4.9	4.9					
REF. NO.	IC3211																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0	0	0	0	0	0	0	4.4	0.3	0	0	0	0	0	4.7				
REC	0	0	0	0	0	0	0	0	4.4	0.3	0	0	0	0	0	4.7				
REF. NO.	IC3212										IC3213									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8		
STOP	4.7	2.8	2.5	2.3	0	2.9	0	2.3			0.1	−0.1	0	−4.8	0	0	0.1	4.7		
REC	4.7	2.8	2.7	2.3	0	2.9	0	2.3			0.1	−0.1	0	−4.8	0	0	0.1	4.7		
REF. NO.	IC3214										IC3215									
MODE	I	G	O								I	G	O							
STOP	11.4	0	5.1								11.4	0	5.1							
REC	11.4	0	5.1								11.4	0	5.1							
REF. NO.	IC3216																			
MODE	1	2	3	4	5															
STOP	0.3	0.3	0	4.9	4.7															
REC	0.4	0.4	0	4.9	4.7															
REF. NO.	Q3201			Q3202			Q3203			Q3204			Q3205			Q3206				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	3.3	0	2.7	3.3	0	2.7	−0.6	4.7	0	2.2	4.7	2.8	0	0.1	0.6	0.3	4.7	0.6		
REC	3.3	0	2.7	3.3	0	2.7	−0.6	4.7	0	2.5	4.7	2.9	0	0.1	0.6	0.3	4.7	0.6		
REF. NO.	Q3207			Q3208			Q3209			Q3210			Q3211							
MODE	E	C	B	E	C	B	E	C	B	E	C	B	1	2	3	4	5			
STOP	0	4.7	0.3	0	0	0	1.6	3.5	2.4	2.3	0	1.6	0	0	0.4	0	0.3			
REC	0	4.7	0.3	0	0	0	1.6	3.5	2.4	2.3	1.6	0	0	0	0.4	0	0.3			
REF. NO.	Q3212																			
MODE	E	C	B																	
STOP	4.9	4.9	4.3																	
REC	4.9	4.9	4.3																	
REF. NO.	QR3201			QR3202			QR3203			QR3205			QR3206			QR3207				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	0	4.9	0	0	0	3.5	0.1	0.1	4.9	0	0	3.4	0	0	3.4	1.6	1.6	4.4		
REC	0	4.9	0	0	0	3.5	0.1	0.1	4.9	0	0	3.4	0	0	3.4	1.6	1.6	4.4		

IC3212
TK16031MTL



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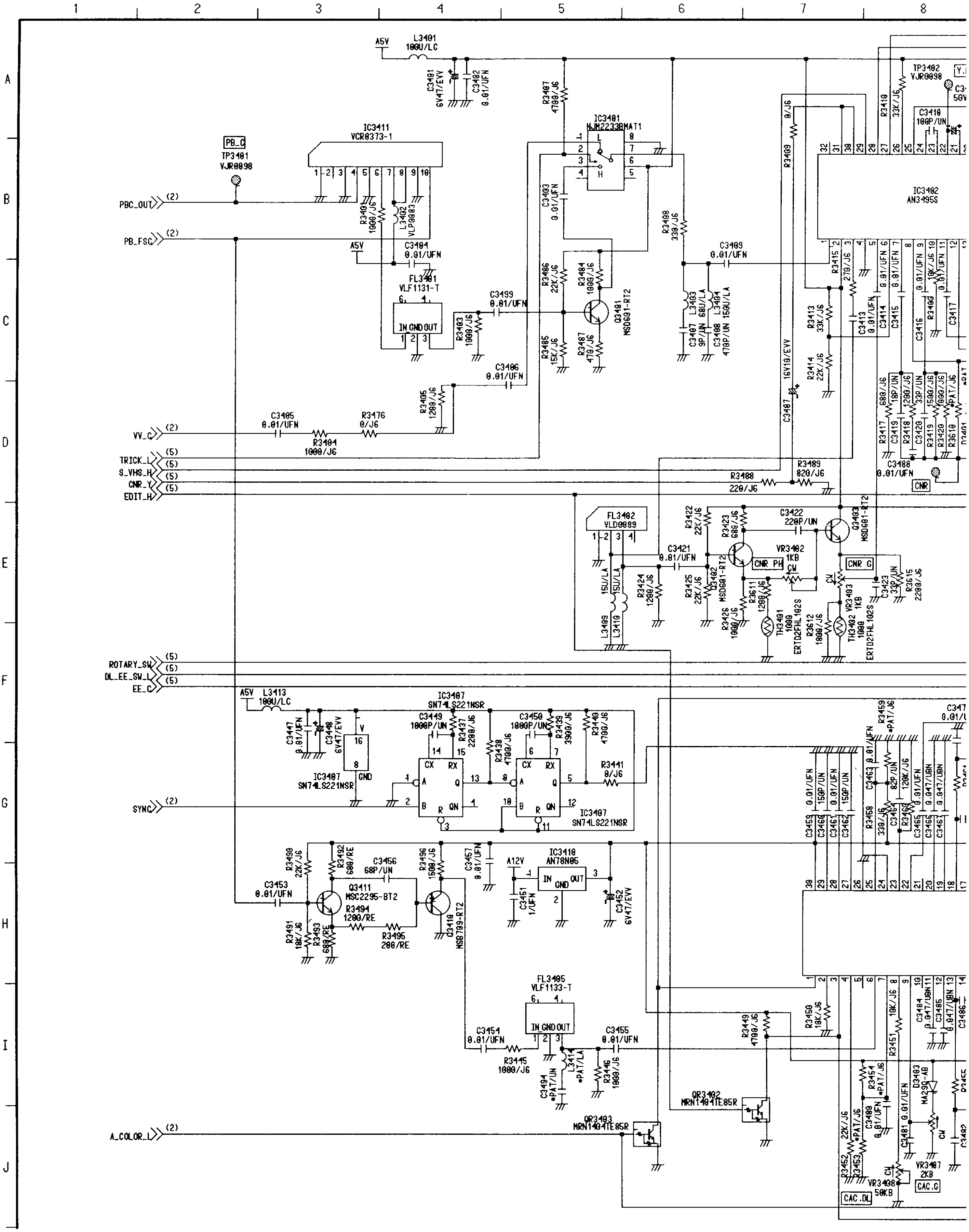
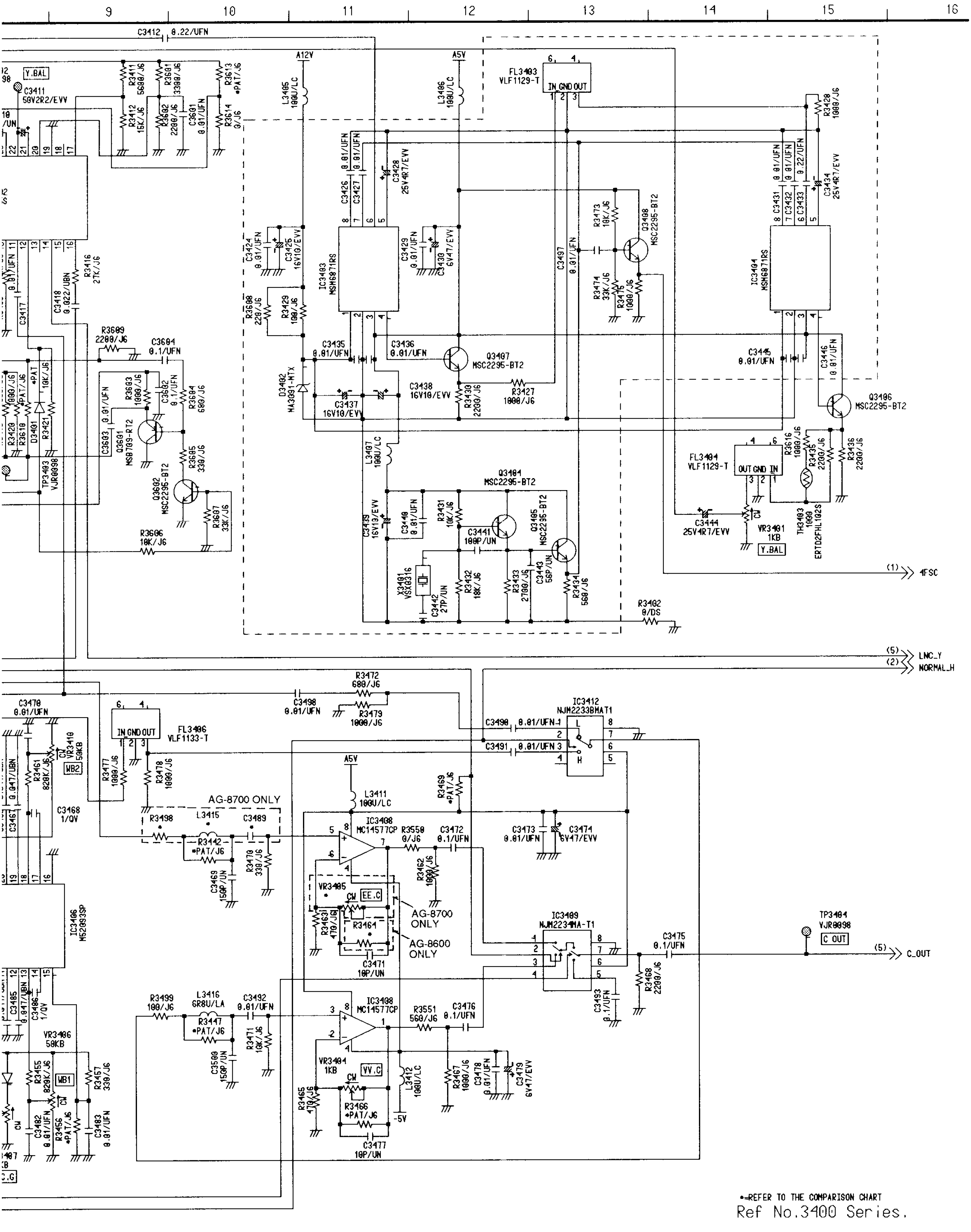
VIDEO YC-3 SCHEMATIC DIAGRAM 3/6 (E6: Page CBA-7)

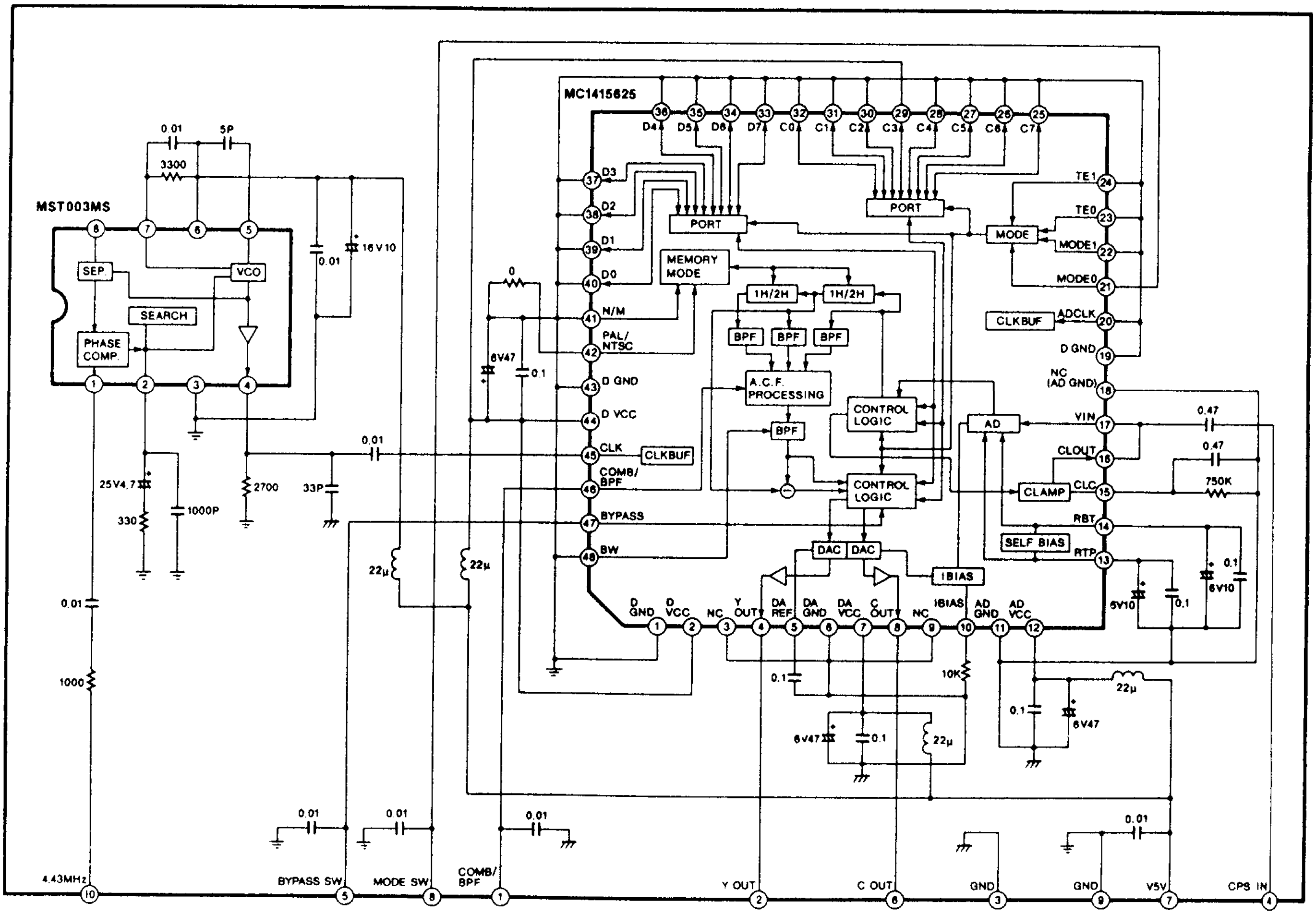

1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
I
J
A5V
L3401
100U/LC
C3401
6V47/EVV
C3402
0.01/UFN
R3407
4700/J6
IC3401
NJM2233BMAT1
IC3411
VCR0373-1
PB_C
TP3401
VJR0098
PBC_OUT
(2)
PB_FSC
R3401
1000/J6
L3402
VLP0083
A5V
C3404
0.01/UFN
FL3401
VLF1131-T
IN GND OUT
C3499
0.01/UFN
R3403
1000/J6
C3406
0.01/UFN
R3405
1200/J6
C3403
0.01/UFN
R3406
22K/J6
R3404
1000/J6
R3485
15K/J6
R3487
470/J6
Q3401
MSD601-RT2
R3408
330/J6
C3409
0.01/UFN
L3403
68U/LA
L3404
150U/LA
C3407
9P/UN
C3408
470P/UN
R3409
0/J6
TP3402
VJR0098
R3410
33K/J6
C3410
100P/UN
IC3402
AN3495S
R3415
270/J6
R3413
33K/J6
R3414
22K/J6
C3413
0.01/UFN
C3414
0.01/UFN
C3415
0.01/UFN
C3416
R3490
C3417
C3487
16V10/EVV
R3417
680/J6
C3419
18P/UN
R3418
1200/J6
C3420
33P/UN
R3419
1500/J6
R3420
8000/J6
R3610
*PAT/J6
C3488
0.01/UFN
CNR
VV_C
C3405
0.01/UFN
R3476
0/J6
R3404
1000/J6
TRICK_L
S_VHS_H
CNR_Y
EDIT_H
(5)
R3488
220/J6
R3489
820/J6
FL3402
VLD0089
C3421
0.01/UFN
R3422
22K/J6
R3423
680/J6
C3422
220P/UN
Q3403
MSD601-RT2
Q3402
MSD601-RT2
VR3402
1KB
CNR PH
CW
CNR G
VR3403
1KB
C3423
33P/UN
R3615
2200/J6
L3409
15U/LA
L3410
15U/LA
R3424
1200/J6
R3425
22K/J6
R3426
1000/J6
R3611
1200/J6
TH3401
1000
ERTD2FHL102S
R3612
1000/J6
TH3402
1000
ERTD2FHL102S
ROTARY_SW
DL_EE_SW_L
EE_C
A5V
L3413
100U/LC
IC3407
SN74LS221NSR
C3447
0.01/UFN
C3448
6V47/EVV
C3449
1000P/UN
R3437
2200/J6
C3450
1000P/UN
R3439
3900/J6
R3440
4700/J6
R3438
4700/J6
CX
RX
A
B
Q
QN
R
R3441
0/J6
GND
SYNC
R3490
22K/J6
R3492
680/RE
C3456
68P/UN
R3496
1500/J6
C3457
0.01/UFN
A12V
IC3410
AN78N05
IN GND OUT
C3451
1/UFN
C3452
6V47/EVV
C3453
0.01/UFN
Q3411
MSC2295-BT2
R3494
1200/RE
R3495
200/RE
R3491
18K/J6
R3493
680/RE
Q3410
MSB709-RT2
FL3405
VLF1133-T
C3454
0.01/UFN
R3445
1000/J6
C3455
0.01/UFN
C3494
*PAT/UN
L3414
*PAT/LA
R3446
1000/J6
R3449
4700/J6
QR3402
MRN1404TE85R
QR3403
MRN1404TE85R
A_COLOR_L
C3459
0.01/UFN
C3460
150P/UN
C3461
150P/UN
C3462
150P/UN
C3463
0.01/UFN
R3459
*PAT/J6
R3458
330/J6
C3464
82P/UN
R3460
120K/J6
C3465
0.01/UFN
C3466
0.047/UBN
C3467
0.047/UBN
C3478
0.01/UFN
R3450
10K/J6
R3451
10K/J6
C3484
0.047/UBN
C3485
0.047/UBN
C3486
R3454
*PAT/J6
D3403
MA29Q-AB
C3480
0.01/UFN
C3481
0.01/UFN
R3452
22K/J6
R3453
*PAT/J6
VR3408
50KB
VR3407
2KB
CAC.DL
CAC.G
CW


9
10
11
12
13
14
15
16
C3412 0.22/UFN
Y.BAL
C3411 50V2R2/EVV
R3411 5600/J6
R3412 15K/J6
R3601 3300/J6
R3602 2200/J6
C3601 0.01/UFN
R3613 *PAT/J6
R3614 0/J6
A12V
A5V
L3405 100U/LC
L3406 100U/LC
FL3403 VLF1129-T
IN GND OUT
C3426 0.01/UFN
C3427 0.01/UFN
C3428 25V4R7/EVV
C3424 0.01/UFN
C3425 16V10/EVV
IC3403 MSM6871RS
C3429 0.01/UFN
C3430 6V47/EVV
R3608 220/J6
R3429 100/J6
C3435 0.01/UFN
C3436 0.01/UFN
Q3407 MSC2295-BT2
D3402 MA3091-MTX
C3437 16V10/EVV
C3438 16V10/EVV
R3430 2200/J6
R3427 1000/J6
C3497 0.01/UFN
R3473 10K/J6
Q3408 MSC2295-BT2
R3474 33K/J6
R3475 1000/J6
R3428 1000/J6
C3431 0.01/UFN
C3432 0.01/UFN
C3433 0.22/UFN
C3434 25V4R7/EVV
IC3404 MSM6871RS
C3445 0.01/UFN
C3446 0.01/UFN
Q3406 MSC2295-BT2
FL3404 VLF1129-T
OUT GND IN
R3616 1000/J6
R3435 2200/J6
R3436 2200/J6
C3444 25V4R7/EVV
VR3401 1KB
Y.BAL
TH3403 100Ω ERTD2FHL102S
(1) 4FSC
R3416 27K/J6
C3418 0.022/UBN
C3417
R3609 2200/J6
C3604 0.1/UFN
R3603 1000/J6
C3602 0.1/UFN
R3604 680/J6
C3603 0.01/UFN
Q3601 MSB709-RT2
R3605 330/J6
Q3602 MSC2295-BT2
R3607 33K/J6
R3606 10K/J6
R3420 1000/J6
R3610 *PAT/J6
D3401 *PAT
R3421 10K/J6
TP3403 VJR0098
L3407 100U/LC
Q3404 MSC2295-BT2
C3439 16V10/EVV
C3440 0.01/UFN
R3431 10K/J6
C3441 100P/UN
Q3405 MSC2295-BT2
X3401 VSX0316
C3442 27P/UN
R3432 18K/J6
R3433 2700/J6
C3443 56P/UN
R3434 560/J6
R3402 0/DS
(5) LNC_Y
(2) NORMAL_H
C3470 0.01/UFN
VR3410 50KB
WB2
R3461 820K/J6
C3468 1/QV
R3472 680/J6
C3498 0.01/UFN
R3479 1000/J6
FL3406 VLF1133-T
R3477 1000/J6
R3478 1000/J6
C3490 0.01/UFN
C3491 0.01/UFN
IC3412 NJM2233BMAT1
A5V
R3469 *PAT/J6
L3411 100U/LC
AG-8700 ONLY
R3498
L3415
C3489
R3442 *PAT/J6
C3469 150P/UN
R3470 330/J6
IC3408 MC14577CP
R3550 0/J6
C3472 0.1/UFN
R3462 1000/J6
C3473 0.01/UFN
C3474 6V47/EVV
VR3405
EE.C
R3463 470/J6
R3464
AG-8700 ONLY
AG-8600 ONLY
C3471 10P/UN
IC3409 NJM2234MA-T1
C3475 0.1/UFN
TP3404 VJR0098
C OUT
(5) C_OUT
R3468 2200/J6
C3493 0.1/UFN
IC3406 M52093SP
C3485 0.047/UBN
C3486 1/QV
VR3406 50KB
R3455 820K/J6
WB1
R3457 330/J6
C3482 0.01/UFN
R3456 *PAT/J6
C3483 0.01/UFN
R3499 100/J6
L3416 6R8U/LA
R3447 *PAT/J6
C3500 150P/UN
C3492 0.01/UFN
R3471 10K/J6
IC3408 MC14577CP
R3551 560/J6
C3476 0.1/UFN
VR3404 1KB
VV.C
R3465 470/J6
R3466 *PAT/J6
C3477 10P/UN
L3412 100U/LC
-5V
R3467 1000/J6
C3478 0.01/UFN
C3479 6V47/EVV
CW

*=REFER TO THE COMPARISON CHART

Ref No.3400 Series.

IC3411
VCR0373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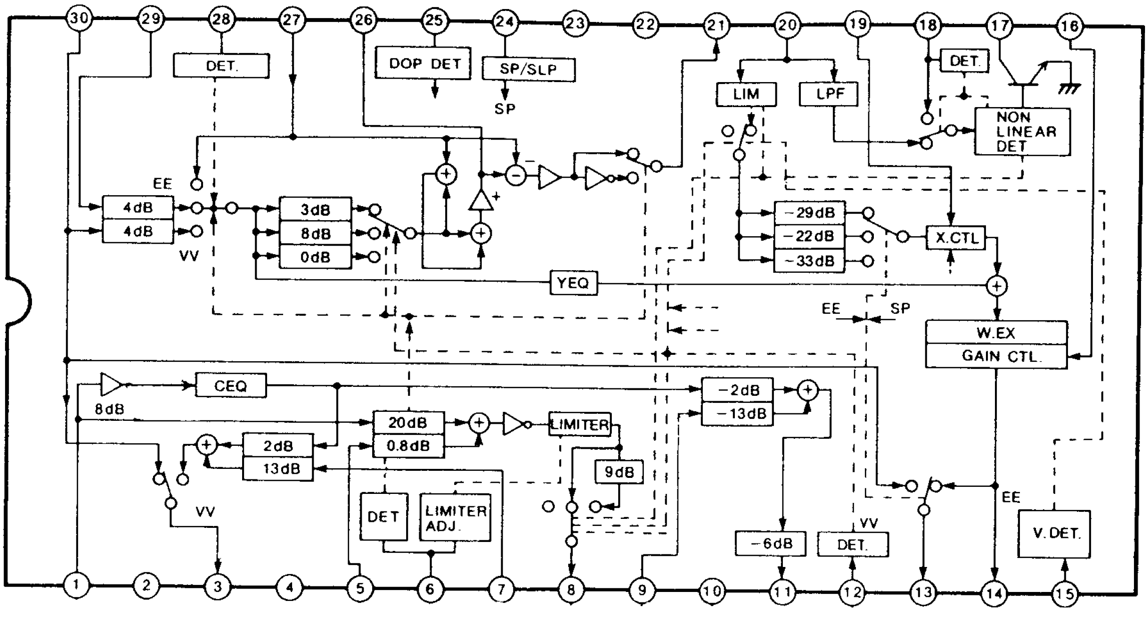
SEP.
VCO
SEARCH
PHASE COMP.
0.01
5P
3300
0.01
16V10
25V4.7
330
1000P
2700
33P
1000
MC1415625
D4 D5 D6 D7 C0 C1 C2 C3 C4 C5 C6 C7
D3
D2
D1
D0
N/M
PAL/NTSC
D GND
D VCC
CLK
COMB/BPF
BYPASS
BW
PORT
MEMORY MODE
1H/2H
BPF
A.C.F. PROCESSING
CONTROL LOGIC
CLKBUF
DAC
IBIAS
AD
CLAMP
SELF BIAS
MODE
TE1
TE0
MODE1
MODE0
ADCLK
D GND
NC (AD GND)
VIN
CLOUT
CLC
RBT
RTP
0.47
750K
0.1
5V10
6V10
6V47
22μ
10K
D GND
D VCC
NC
Y OUT
DA REF
DA GND
DA VCC
C OUT
NC
IBIAS
AD GND
AD VCC
4.43MHz
BYPASS SW
MODE SW
COMB/BPF
Y OUT
C OUT
GND
GND
V5V
CPS IN

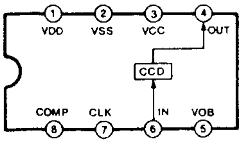
IC3402
AN3495S


DET.
DOP DET
SP/SLP
SP
DET.
LIM
LPF
NON LINEAR DET
EE
4dB
4dB
VV
3dB
8dB
0dB
−29dB
−22dB
−33dB
X.CTL
YEQ
EE
SP
W.EX
GAIN CTL.
8dB
CEQ
20dB
0.8dB
LIMITER
−2dB
−13dB
2dB
13dB
9dB
VV
DET
LIMITER ADJ.
−6dB
DET.
VV
EE
V. DET.

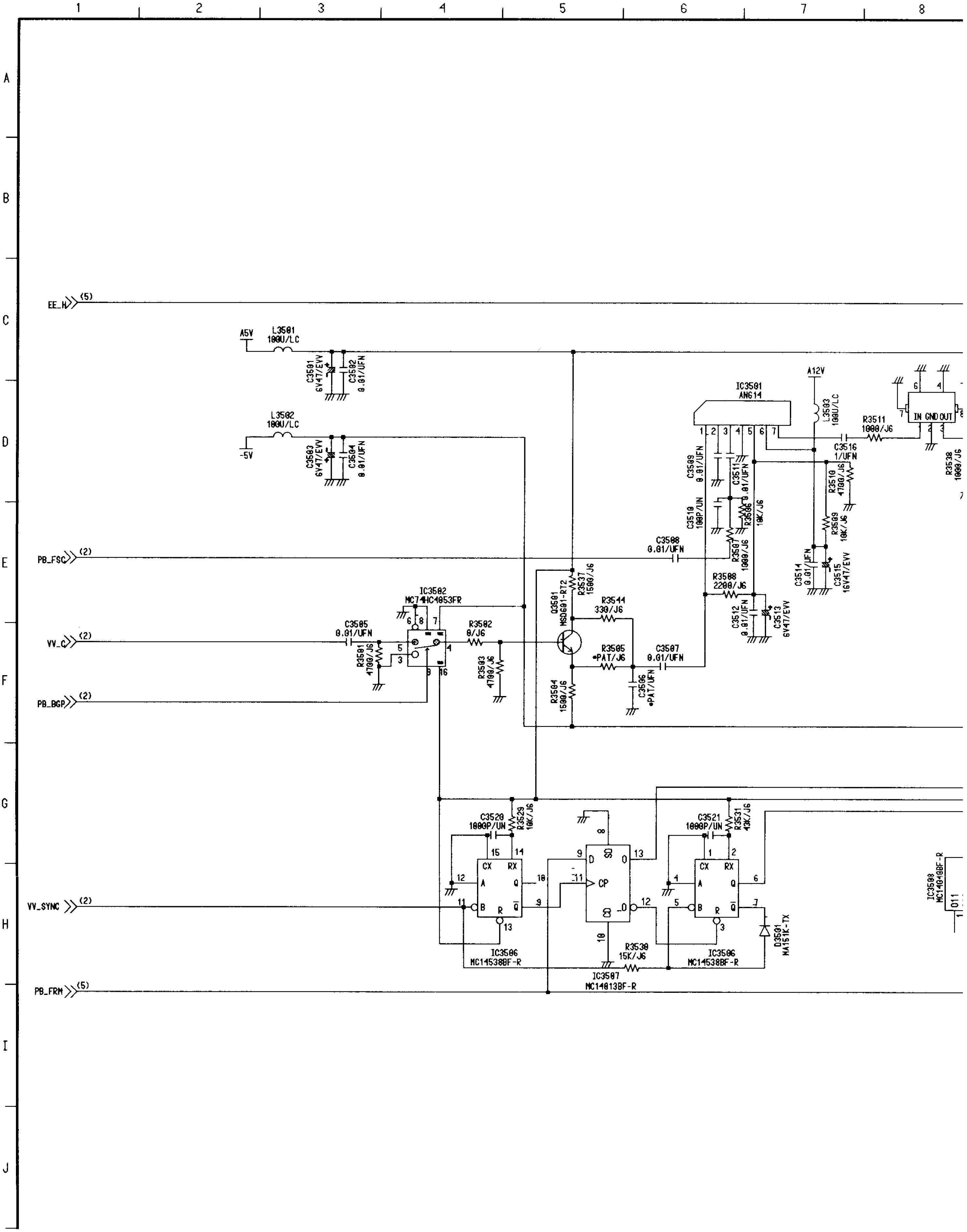
VIDEO YC-3 DC VOLTAGE CHART

REF. NO.	IC3401																			
MODE	1	2	3	4	5	6	7	8												
STOP	2.8	3.4	2.8	0	0	4.7	2.0	0												
REC	2.8	3.4	2.8	0	0	4.7	2.0	0												
REF. NO.	IC3402																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.1	4.7	1.6	0	3.0	1.9	3.1	1.7	3.1	0	1.6	4.3	1.5	1.7	0	2.4	3.2	0	0	0
REC	3.0	4.7	1.5	0	3.0	1.9	3.1	1.7	3.1	0	1.6	4.3	1.5	1.7	0	2.4	3.2	0.1	0	0
REF. NO.	IC3402																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32								
STOP	2.8	2.5	2.2	2.2	0	4.7	1.5	3.5	4.9	3.5	3.5	0								
REC	2.9	2.5	2.2	2.2	0	4.7	1.5	3.5	4.9	3.5	3.5	0								
REF. NO.	IC3403										IC3404									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8		
STOP	8.0	0	4.7	2.8	2.6	1.1	1.4	4.1			7.9	0	4.7	2.8	2.6	1.1	1.4	4.1		
REC	7.9	0	4.7	2.8	2.6	1.1	1.4	4.1			7.9	0	4.7	2.8	2.6	1.1	1.4	4.1		
REF. NO.	IC3406																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.0	1.5	0.1	0	0	3.0	2.5	4.0	1.7	0	4.2	3.7	3.0	2.2	5.0	0	2.2	3.0	4.2	3.7
REC	3.0	1.5	0.1	0	0	3.0	2.5	4.0	1.7	0	4.2	3.7	3.0	2.2	5.0	0	2.2	3.0	4.2	3.7
REF. NO.	IC3406																			
MODE	21	22	23	24	25	26	27	28	29	30										
STOP	0	2.4	2.7	0.3	5.0	0	4.0	2.5	4.0	5.0										
REC	0	2.4	2.8	0.3	5.0	0	4.0	2.5	4.0	5.0										
REF. NO.	IC3407																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0.4	4.9	3.9	0.3	4.6	0	0	0.2	4.9	4.9	3.9	0.2	4.7	1.2	4.9				
REC	0	0.4	4.9	4.0	0.3	4.6	0	0	0.2	4.9	4.9	3.9	0.2	4.7	1.2	4.9				
REF. NO.	IC3408										IC3409									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8		
STOP	0	0	0	−4.8	0	0	0	4.7			2.8	0	2.8	0.1	2.8	4.7	2.1	0		
REC	0	0	0	−4.8	0	0	0	4.7			2.8	0	2.8	0.1	2.8	4.7	2.1	0		
REF. NO.	IC3410										IC3411									
MODE	I	G	O								1	2	3	4	5	6	7	8	9	10
STOP	11.4	0	5.0								0	0.9	0	0.1	0	0.9	4.9	4.9	0	0
REC	11.4	0	5.0								0	0.9	0	0.1	0	0.9	4.9	4.9	0	0
REF. NO.	IC3412																			
MODE	1	2	3	4	5	6	7	8												
STOP	2.8	0	2.8	0	0	4.7	2.0	0												
REC	2.8	0	2.8	0	0	4.7	2.0	0												
REF. NO.	Q3401			Q3402			Q3403			Q3404			Q3405			Q3406				
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B		
STOP	1.2	2.1	1.8	1.6	3.0	2.2	1.0	4.7	1.6	2.3	4.7	3.1	2.0	4.6	2.3	2.1	4.7	2.8		
REC	1.2	2.2	1.8	1.6	3.0	2.2	1.0	4.7	1.6	2.3	4.7	3.1	2.0	4.7	2.3	2.1	4.7	2.8		
REF. NO.	Q3407			Q3408			Q3410			Q3411										
MODE	E	C	B	E	C	B	E	C	B	E	C	B								
STOP	2.1	4.7	2.8	2.9	4.7	3.4	2.0	0	1.3	1.3	3.7	2.1								
REC	2.1	4.7	2.8	2.9	4.7	3.4	2.0	0	1.3	1.3	3.7	2.1								
REF. NO.	QR3402			QR3403																
MODE	E	C	B	E	C	B														
STOP	0	0	4.9	0	3.0	0														
REC	0	0	4.9	0	3.0	0														

IC3403,3404
MSM6871RS



VIDEO YC-4 SCHEMATIC DIAGRAM 4/6 (E6: Page CBA-7)


1
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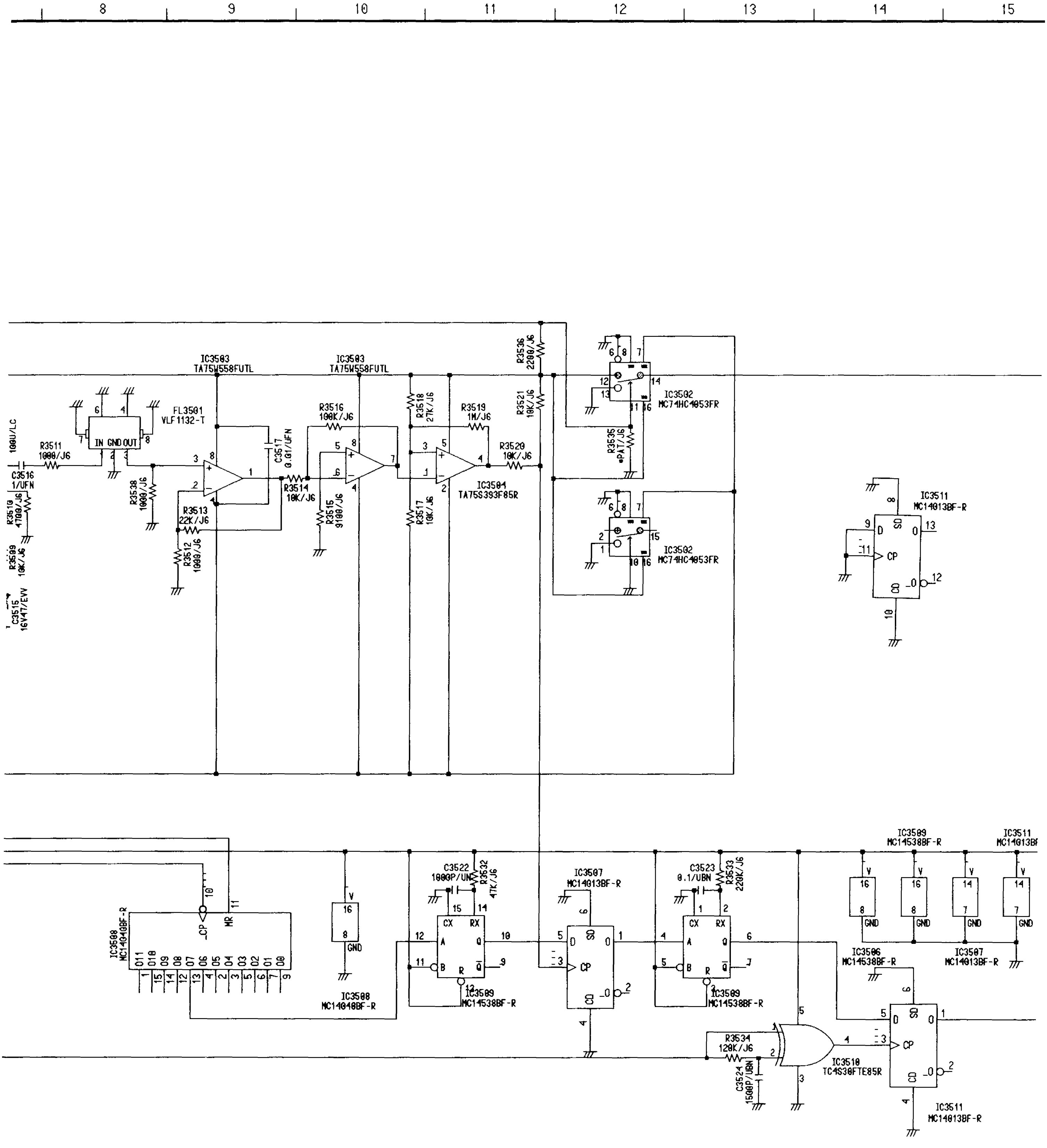
A
B
C
D
E
F
G
H
I
J
EE_H (5)
A5V
L3501
100U/LC
C3501
6V47/EVV
C3502
0.01/UFN
L3502
100U/LC
-5V
C3503
6V47/EVV
C3504
0.01/UFN
A12V
IC3501
AN614
L3503
100U/LC
R3511
1000/J6
IN GND OUT
C3516
1/UFN
R3538
1000/J6
C3509
0.01/UFN
C3511
0.01/UFN
R3510
4700/J6
C3510
100P/UN
R3506
10K/J6
R3509
10K/J6
PB_FSC (2)
C3508
0.01/UFN
R3507
1000/J6
C3514
0.01/UFN
C3515
16V47/EVV
R3508
2200/J6
C3512
0.01/UFN
C3513
6V47/EVV
IC3502
MC74HC4053FR
Q3501
MSD601-RT2
R3537
1500/J6
R3544
330/J6
VV_C (2)
C3505
0.01/UFN
R3501
4700/J6
R3502
0/J6
R3503
4700/J6
R3505
•PAT/J6
C3507
0.01/UFN
C3506
•PAT/UFN
R3504
1500/J6
PB_BGP (2)
C3520
1000P/UN
R3529
10K/J6
C3521
1000P/UN
R3531
43K/J6
CX
RX
A
B
R
Q
Q̄
D
SD
CP
CD
VV_SYNC (2)
IC3506
MC14538BF-R
R3530
15K/J6
IC3507
MC14013BF-R
IC3506
MC14538BF-R
D3501
MA151K-TX
IC3508
MC14040BF-R
PB_FRM (5)



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9
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12
13
14
15
IC3503
TA75W558FUTL
IC3503
TA75W558FUTL
FL3501
VLF1132-T
IN GND OUT
R3511
1000/J6
C3516
1/UFN
100U/LC
R3510
4700/J6
R3509
10K/J6
C3515
16V47/EVV
R3538
1000/J6
R3513
22K/J6
R3512
1000/J6
C3517
0.01/UFN
R3514
10K/J6
R3515
9100/J6
R3516
100K/J6
R3518
27K/J6
R3517
10K/J6
R3519
1M/J6
R3520
10K/J6
IC3504
TA75S393F85R
R3536
2200/J6
R3521
10K/J6
R3535
*PAT/J6
IC3502
MC74HC4053FR
IC3502
MC74HC4053FR
IC3511
MC14013BF-R
IC3508
MC14040BF-R
_CP
MR
Q11 Q10 Q9 Q8 Q7 Q6 Q5 Q4 Q3 Q2 Q1 Q0
IC3508
MC14040BF-R
C3522
1000P/UN
R3532
47K/J6
IC3509
MC14538BF-R
IC3507
MC14013BF-R
C3523
0.1/UBN
R3533
220K/J6
IC3509
MC14538BF-R
IC3509
MC14538BF-R
IC3511
MC14013BF-R
IC3506
MC14538BF-R
IC3507
MC14013BF-R
R3534
120K/J6
C3524
1500P/UBN
IC3510
TC4S30FTE85R
IC3511
MC14013BF-R
CX RX A B R Q Q̄
D SD Q CP CD Q̄
V GND

Ref No.3500 S

15
16
<1,2,3,5>
EE_SW_L
IC3511
MC14013BF-R
V
14
7
GND
C3525
0.01/UFN
ND
07
13BF-R
<5>
PB_PALP
-R

VIDEO YC-4 DC VOLTAGE CHART

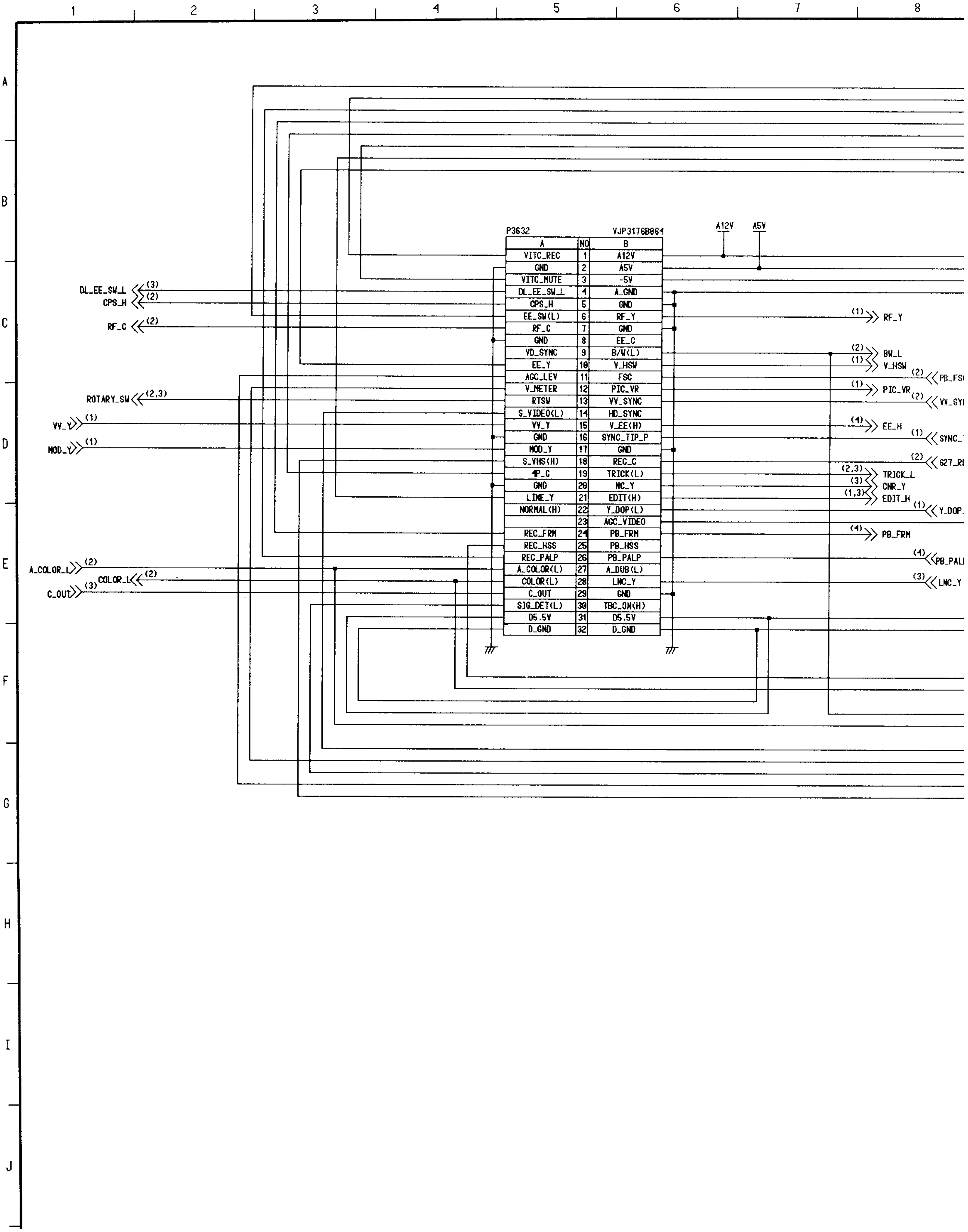
REF. NO.	IC3501									
MODE	1	2	3	4	5	6	7			
STOP	3.7	4.2	4.2	0	3.7	11.4	7.6			
REC	3.7	4.2	4.2	0	3.7	11.4	7.6			
REF. NO.	IC3502									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0	0	0	0	−4.9	0	4.3	0
REC	0	0	0	0	0	0	−4.9	0	4.4	0
REF. NO.	IC3502									
MODE	11	12	13	14	15	16				
STOP	4.9	4.9	0	0	0	4.9				
REC	4.9	4.9	0	0	0	4.9				
REF. NO.	IC3503									
MODE	1	2	3	4	5	6	7	8		
STOP	0	0	0	−4.9	0	0	−0.2	4.9		
REC	0	0	0	−4.9	0	0	−0.2	4.9		
REF. NO.	IC3504									
MODE	1	2	3	4	5					
STOP	−0.2	−4.9	−2.2	−4.7	4.9					
REC	−0.2	−4.9	−2.2	−4.8	4.9					
REF. NO.	IC3506									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	3.4	2.4	0	2.9	1.8	3.1	0	3.8	1.1
REC	0	3.4	2.4	0	3.0	1.8	3.1	0	3.8	1.1
REF. NO.	IC3506									
MODE	11	12	13	14	15	16				
STOP	4.5	0	4.9	3.8	0	4.9				
REC	4.5	0	4.9	3.8	0	4.9				
REF. NO.	IC3507									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	4.7	0.1	0	0	0	0	0	2.5	0
REC	0	4.9	0.1	0	0	0	0	0	2.5	0
REF. NO.	IC3507									
MODE	11	12	13	14						
STOP	3.8	2.4	2.4	4.7						
REC	3.8	2.4	2.4	4.9						
REF. NO.	IC3508									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	1.2	1.1	0.9	1.2	1.2	1.2	0	1.2	1.8
REC	0	1.2	1.2	1.0	1.2	1.2	1.2	0	1.2	1.8
REF. NO.	IC3508									
MODE	11	12	13	14	15	16				
STOP	2.4	0.4	1.0	0	0	4.9				
REC	2.4	0.4	1.0	0	0	4.9				
REF. NO.	IC3509									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	2.7	4.9	0	4.9	2.7	2.2	0	4.9	0
REC	0	2.7	4.9	0	4.9	2.7	2.2	0	4.9	0
REF. NO.	IC3509									
MODE	11	12	13	14	15	16				
STOP	4.9	1.0	4.9	4.9	0	4.9				
REC	4.9	1.0	4.9	4.8	0	4.9				
REF. NO.	IC3510									
MODE	1	2	3	4	5					
STOP	2.5	2.5	0	0	4.9					
REC	2.5	2.5	0	0	4.9					
REF. NO.	IC3511									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	2.4	2.4	0	0	2.7	0	0	0	0	0
REC	2.4	2.4	0	0	2.7	0	0	0	0	0
REF. NO.	IC3511									
MODE	11	12	13	14						
STOP	0	0	4.9	4.9						
REC	0	0	4.9	4.9						
REF. NO.	Q3501									
MODE	E	C	B							
STOP	−0.6	0.6	0							
REC	−0.6	0.6	0							

3500 Series.

VIDEO YC COMPARISON CHART 6/6 (E6: Page CBA-7)

REF	AG-8700	AG-8600
C3002	*PAT/UN	*PAT/UN
C3081	6V47/EVV	*PAT/EVV
C3082	6V47/EVV	*PAT/EVV
C3090	*PAT/UN	*PAT/UN
C3098	*PAT/UN	*PAT/UN
C3099	*PAT/UN	*PAT/UN
C3111	*PAT/UN	*PAT/UN
C3201	*PAT/UN	*PAT/UN
C3232	*PAT/UBN	*PAT/UBN
C3238	*PAT/UN	*PAT/UN
C3247	6P/UN	*PAT/UN
C3272	*PAT/UN	*PAT/UN
C3280	*PAT/UN	*PAT/UN
C3489	0. 01/UFN	*PAT/UFN
C3494	*PAT/UN	*PAT/UN
C3506	*PAT/UFN	*PAT/UFN
D3401	*PAT	*PAT
L3010	*PAT/LA	*PAT/LA
L3205	*PAT/LA	*PAT/LA
L3414	*PAT/LA	*PAT/LA
L3415	6R8U/LA	*PAT/LA
P3601	VJS2848D018	*PAT
P3602	VJS2848D018	*PAT
P3603	VJP1233T	*PAT
QR3004	*PAT	*PAT
QR3005	*PAT	*PAT
QR3205	*PAT	*PAT
R3016	0/J6	*PAT/J6
R3023	3900/J6	*PAT/J6
R3046	*PAT/J6	*PAT/J6
R3049	*PAT/J6	*PAT/J6
R3059	*PAT/J6	*PAT/J6
R3060	*PAT/J6	*PAT/J6
R3073	3900/J6	*PAT/J6
R3074	6800/J6	*PAT/J6
R3076	*PAT/J6	*PAT/J6
R3100	*PAT/J6	*PAT/J6
R3101	*PAT/J6	*PAT/J6
R3108	*PAT/J6	*PAT/J6
R3109	*PAT/J6	*PAT/J6
R3110	*PAT/J6	*PAT/J6
R3111	*PAT/J6	*PAT/J6
R3112	*PAT/J6	10K/J6
R3207	*PAT/J6	*PAT/J6
R3217	*PAT/J6	*PAT/J6
R3283	*PAT/J6	*PAT/J6
R3294	*PAT/J6	*PAT/J6
R3442	*PAT/J6	*PAT/J6
R3447	*PAT/J6	*PAT/J6
R3453	*PAT/J6	*PAT/J6
R3454	*PAT/J6	*PAT/J6
R3456	*PAT/J6	*PAT/J6
R3459	*PAT/J6	*PAT/J6
R3464	*PAT/J6	0/J6
R3466	*PAT/J6	*PAT/J6
R3469	*PAT/J6	*PAT/J6
R3498	100/J6	*PAT/J6
R3505	*PAT/J6	*PAT/J6
R3535	*PAT/J6	*PAT/J6
R3552	*PAT/J6	*PAT/J6
R3610	*PAT/J6	*PAT/J6
R3613	*PAT/J6	*PAT/J6
TH3001	*PAT	*PAT
TP3003	VJR0098	*PAT
TP3005	VJR0098	*PAT
VC3202	ECV1ZW20X60	*PAT
VR3001	5KB	*PAT
VR3002	5KB	*PAT
VR3007	5KB	*PAT
VR3201	100KB	*PAT
VR3405	1KB	*PAT

VIDEO YC-5 SCHEMATIC DIAGRAM 5/6 (E6: Page CBA-7)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A
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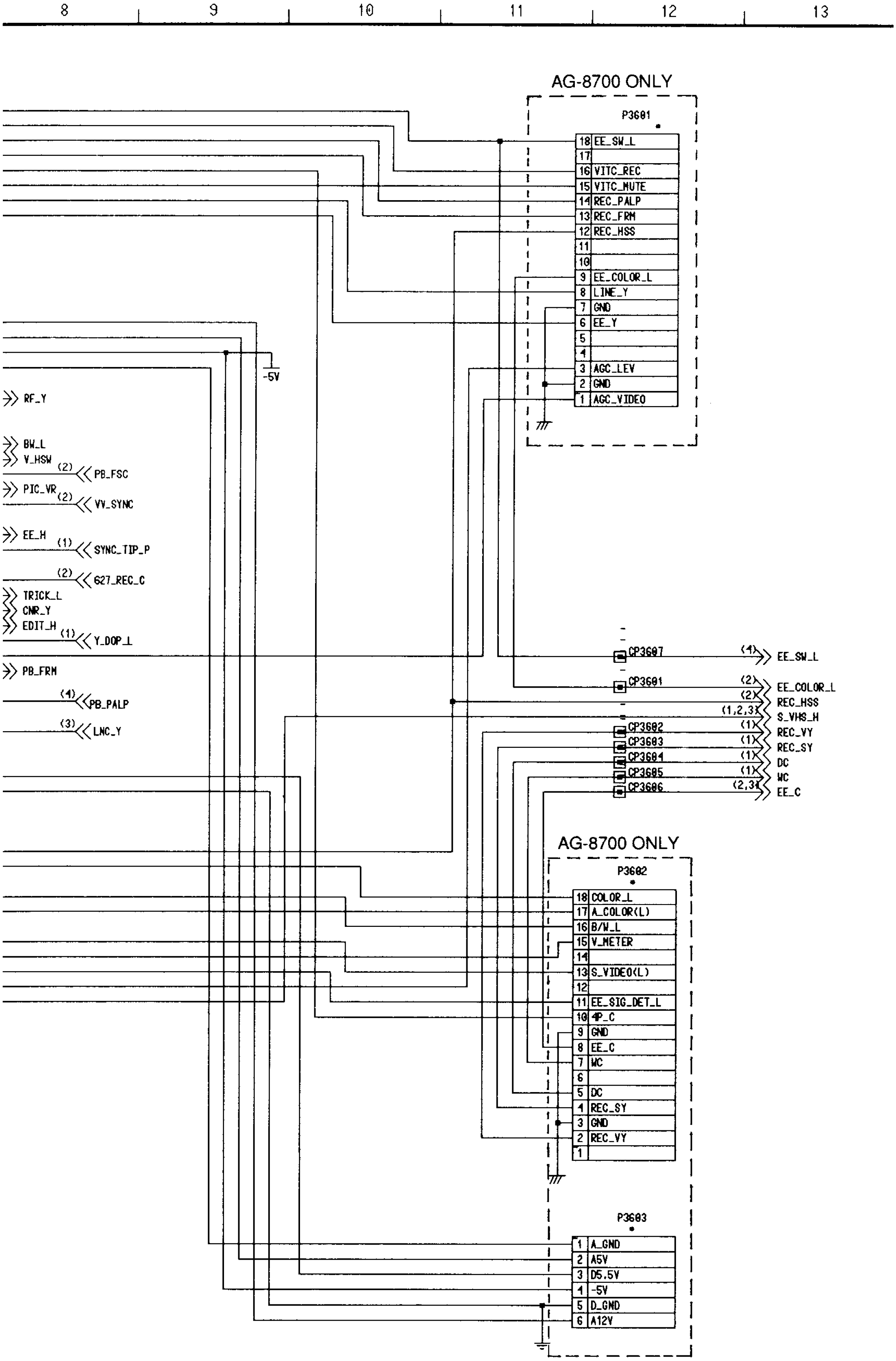
C
D
E
F
G
H
I
J
P3632
VJP3176B064
A12V
A5V
A
NO
B
VITC_REC 1 A12V
GND 2 A5V
VITC_MUTE 3 -5V
DL_EE_SW_L 4 A_GND
CPS_H 5 GND
EE_SW(L) 6 RF_Y
RF_C 7 GND
GND 8 EE_C
VD_SYNC 9 B/W(L)
EE_Y 10 V_HSW
AGC_LEV 11 FSC
V_METER 12 PIC_VR
RTSW 13 VV_SYNC
S_VIDEO(L) 14 HD_SYNC
VV_Y 15 V_EE(H)
GND 16 SYNC_TIP_P
MOD_Y 17 GND
S_VHS(H) 18 REC_C
4P_C 19 TRICK(L)
GND 20 NC_Y
LINE_Y 21 EDIT(H)
NORMAL(H) 22 Y_DOP(L)
23 AGC_VIDEO
REC_FRM 24 PB_FRM
REC_HSS 25 PB_HSS
REC_PALP 26 PB_PALP
A_COLOR(L) 27 A_DUB(L)
COLOR(L) 28 LNC_Y
C_OUT 29 GND
SIG_DET(L) 30 TBC_ON(H)
D5.5V 31 D5.5V
D_GND 32 D_GND
DL_EE_SW_L (3)
CPS_H (2)
RF_C (2)
ROTARY_SW (2,3)
VV_Y (1)
MOD_Y (1)
A_COLOR_L (2)
COLOR_L (2)
C_OUT (3)
(1) RF_Y
(2) BW_L
(1) V_HSW
(2) PB_FS
(1) PIC_VR
(2) VV_SY
(4) EE_H
(1) SYNC_
(2) 627_R
(2,3) TRICK_L
(3) CNR_Y
(1,3) EDIT_H
(1) Y_DOP_
(4) PB_FRM
(4) PB_PAL
(3) LNC_Y


8
9
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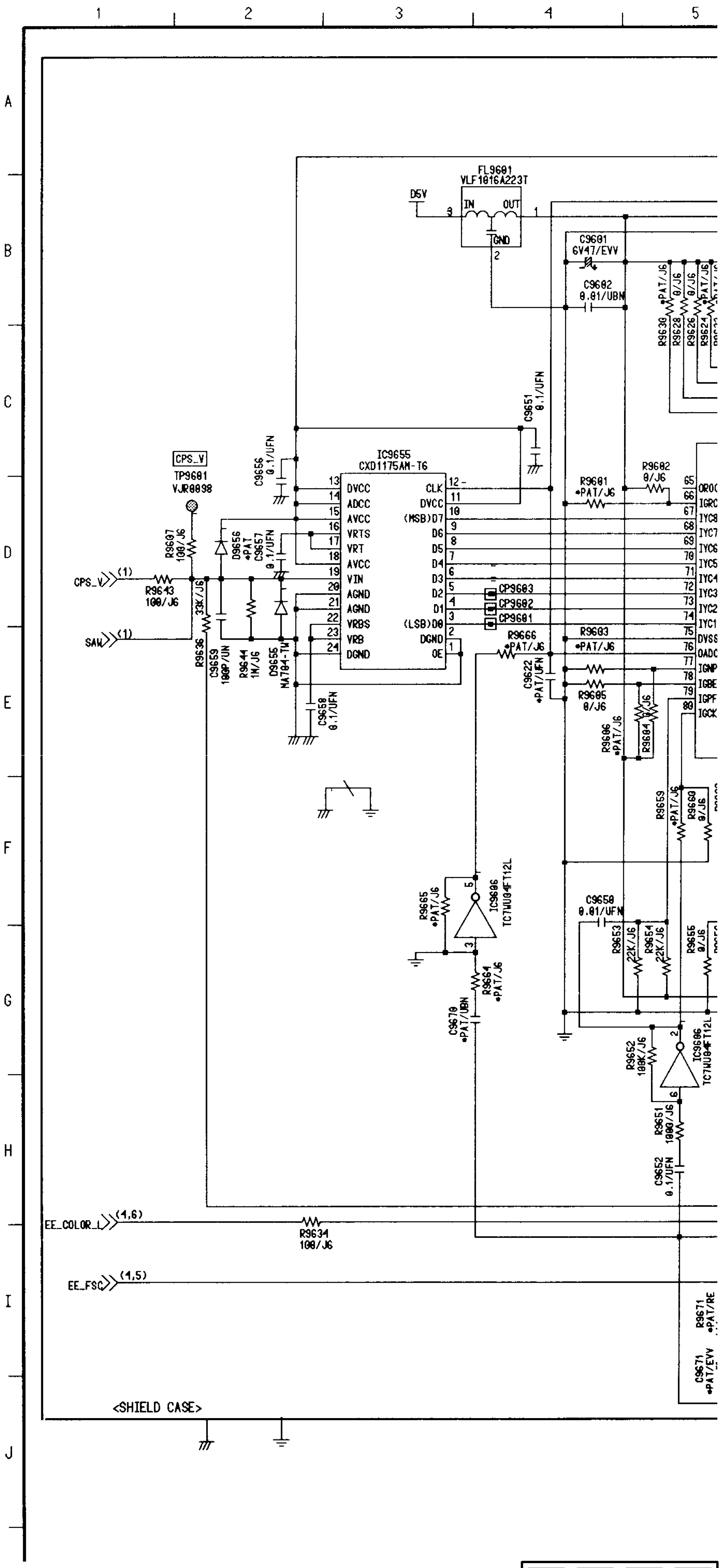
11
12
13
AG-8700 ONLY
P3601
18 EE_SW_L
17
16 VITC_REC
15 VITC_MUTE
14 REC_PALP
13 REC_FRM
12 REC_HSS
11
10
9 EE_COLOR_L
8 LINE_Y
7 GND
6 EE_Y
5
4
3 AGC_LEV
2 GND
1 AGC_VIDEO
-5V
RF_Y
BW_L
V_HSW
(2) PB_FSC
PIC_VR
(2) VV_SYNC
EE_H
(1) SYNC_TIP_P
(2) 627_REC_C
TRICK_L
CNR_Y
EDIT_H
(1) Y_DOP_L
PB_FRM
(4) PB_PALP
(3) LNC_Y
CP3607
(4) EE_SW_L
CP3601
(2) EE_COLOR_L
(2) REC_HSS
(1,2,3) S_VHS_H
CP3602
(1) REC_VY
CP3603
(1) REC_SY
CP3604
(1) DC
CP3605
(1) WC
CP3606
(2,3) EE_C
AG-8700 ONLY
P3602
18 COLOR_L
17 A_COLOR(L)
16 B/W_L
15 V_METER
14
13 S_VIDEO(L)
12
11 EE_SIG_DET_L
10 4P_C
9 GND
8 EE_C
7 WC
6
5 DC
4 REC_SY
3 GND
2 REC_VY
1
P3603
1 A_GND
2 A5V
3 D5.5V
4 -5V
5 D_GND
6 A12V

YC REC-2 SCHEMATIC DIAGRAM 2/6 (E13: A



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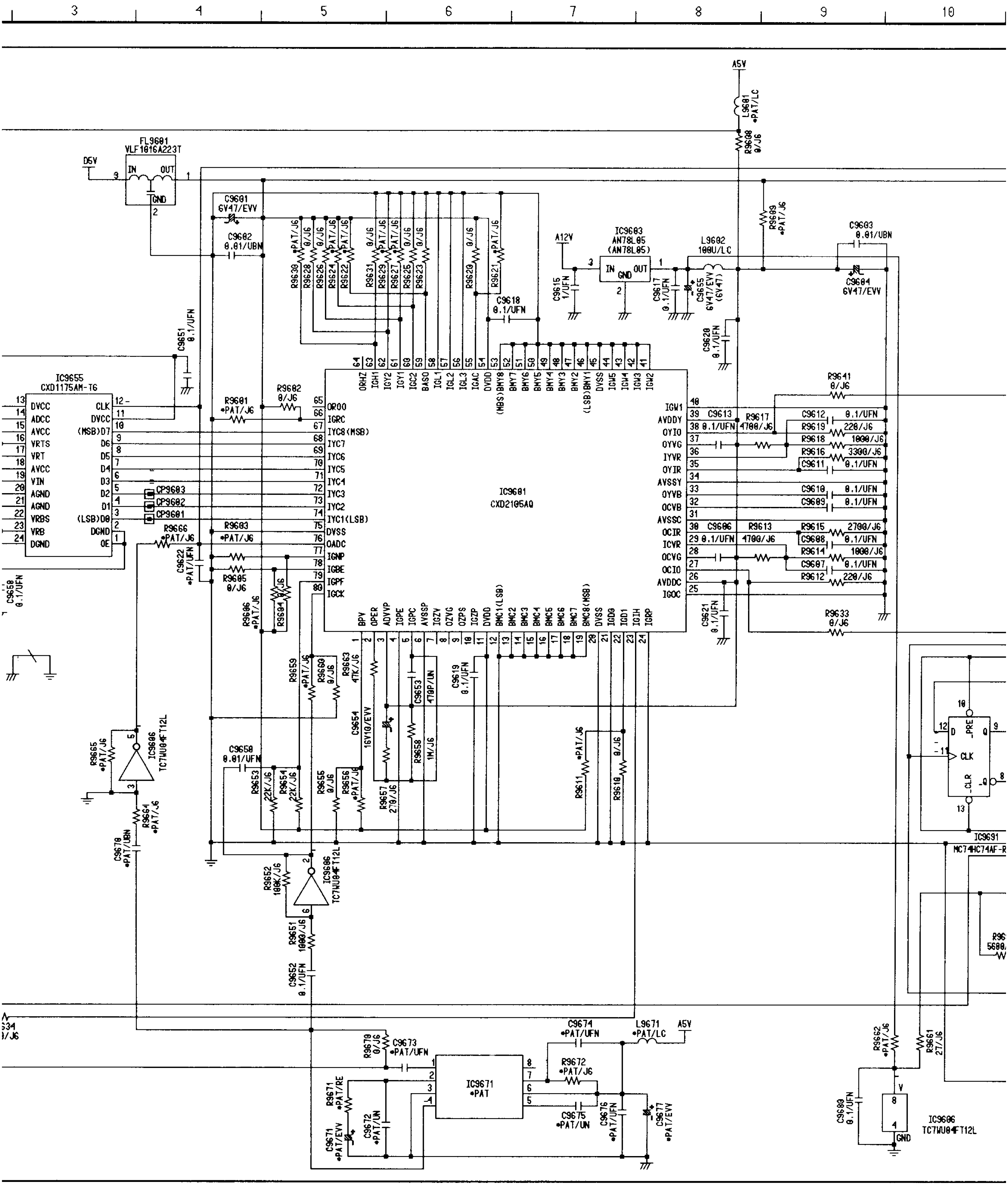
A
B
C
D
E
F
G
H
I
J
FL9601
VLF1016A223T
IN
OUT
GND
D5V
C9601
6V47/EVV
C9602
0.01/UBN
R9630 *PAT/J6
R9628 0/J6
R9626 0/J6
R9624 *PAT/J6
C9651 0.1/UFN
C9656 0.1/UFN
IC9655
CXD1175AM-T6
DVCC
ADCC
AVCC
VRTS
VRT
AVCC
VIN
AGND
AGND
VRBS
VRB
DGND
CLK
DVCC
(MSB)D7
D6
D5
D4
D3
D2
D1
(LSB)D0
DGND
OE
CPS_V
TP9601
VJR0098
R9607 100/J6
D9656 *PAT
C9657 0.1/UFN
CPS_V (1)
R9643 100/J6
SAW (1)
R9636 33K/J6
C9659 100P/UN
R9644 1M/J6
D9655 MA704-TW
C9658 0.1/UFN
CP9603
CP9602
CP9601
R9666 *PAT/J6
C9622 *PAT/UFN
R9601 *PAT/J6
R9602 0/J6
R9603 *PAT/J6
R9605 0/J6
R9606 *PAT/J6
R9604 0/J6
OROC
IGRC
IYC8
IYC7
IYC6
IYC5
IYC4
IYC3
IYC2
IYC1
DVSS
OADC
IGNP
IGBE
IGPF
IGCK
R9659 *PAT/J6
R9660 0/J6
R9665 *PAT/J6
IC9606 TC7WU04FT12L
R9664 *PAT/J6
C9670 *PAT/UBN
C9650 0.01/UFN
R9653 22K/J6
R9654 22K/J6
R9655 0/J6
R9652 100K/J6
IC9606 TC7WU04FT12L
R9651 1000/J6
C9652 0.1/UFN
EE_COLOR_L (4,6)
R9634 100/J6
EE_FSC (4,5)
R9671 *PAT/RE
C9671 *PAT/EVV
<SHIELD CASE>

TIC DIAGRAM 2/6 (E13: AG-8700 0NLY/Page CBA-6)


3
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8
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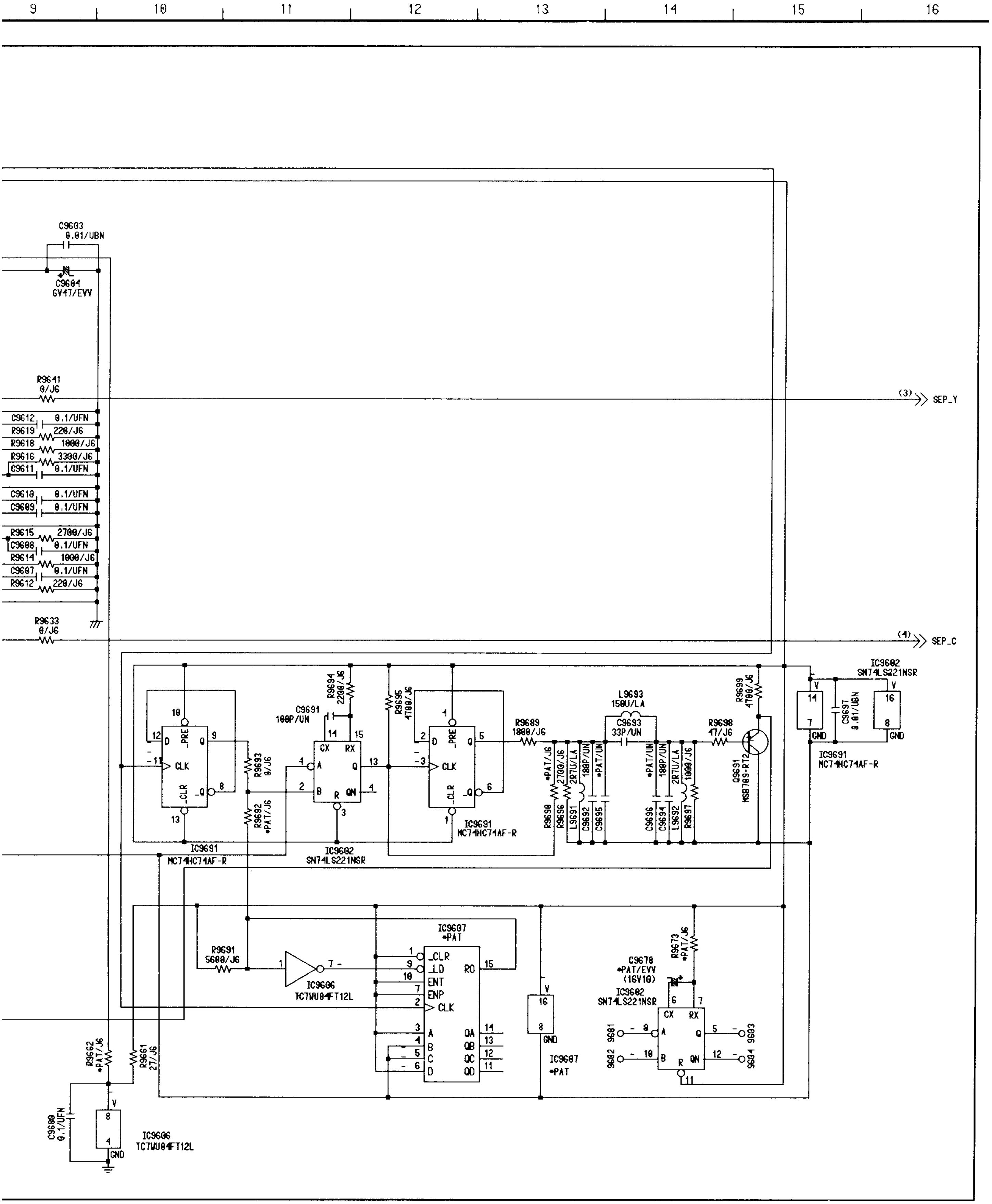
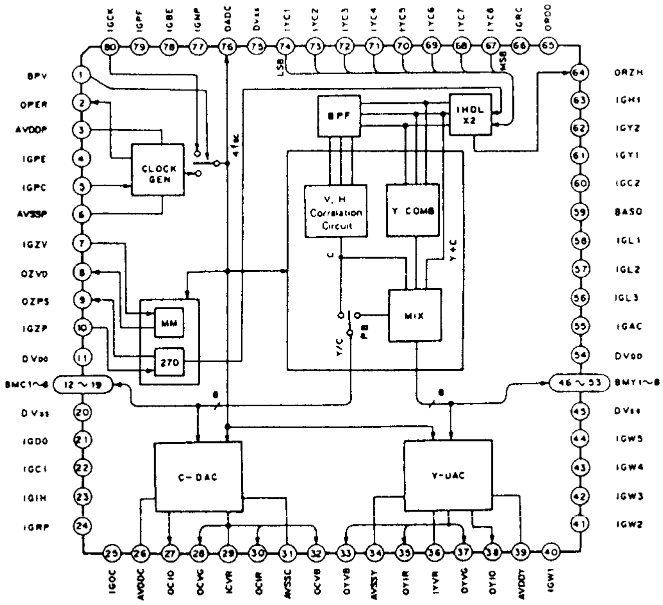
10
FL9601
VLF1016A223T
D5V
IN
OUT
GND
A5V
L9601
•PAT/LC
R9608
0/J6
R9609
•PAT/J6
C9601
6V47/EVV
C9602
0.01/UBN
C9603
0.01/UBN
C9604
6V47/EVV
A12V
IC9603
AN78L05
(AN78L05)
L9602
100U/LC
C9615
1/UFN
C9617
0.1/UFN
C9655
6V47/EVV
(6V47)
C9620
0.1/UFN
C9618
0.1/UFN
R9630
R9628
R9626
R9624
R9622
R9631
R9629
R9627
R9625
R9623
R9620
R9621
C9651
0.1/UFN
IC9655
CXD1175AM-T6
DVCC
ADCC
AVCC
VRTS
VRT
AVCC
VIN
AGND
AGND
VRBS
VRB
DGND
CLK
DVCC
(MSB)D7
D6
D5
D4
D3
D2
D1
(LSB)D0
DGND
OE
CP9603
CP9602
CP9601
R9601
•PAT/J6
R9602
0/J6
R9603
•PAT/J6
R9605
0/J6
R9604
R9606
•PAT/J6
R9666
•PAT/J6
C9622
•PAT/UFN
C9650
0.1/UFN
IC9601
CXD2105AQ
ORHZ
IGH1
IGY2
IGY1
IGC2
BASO
IGL1
IGL2
IGL3
IGAC
DVDD
(MBS)BMY8
BMY7
BMY6
BMY5
BMY4
BMY3
BMY2
(LSB)BMY1
DVSS
IGW5
IGW4
IGW3
IGW2
OR00
IGRC
IYC8(MSB)
IYC7
IYC6
IYC5
IYC4
IYC3
IYC2
IYC1(LSB)
DVSS
OADC
IGNP
IGBE
IGPF
IGCK
IGW1
AVDDY
OYIO
OYVG
IYVR
OYIR
AVSSY
OYVB
OCVB
AVSSC
OCIR
ICVR
OCVG
OCIO
AVDDC
IGOC
BPV
OPER
ADVVP
IOPE
IGPC
AVSSP
IGZV
OZVG
OZPS
IGZP
DVDD
BMC1(LSB)
BMC2
BMC3
BMC4
BMC5
BMC6
BMC7
BMC8(MSB)
DVSS
IGD0
IGD1
IGIH
IGRP
C9613
0.1/UFN
R9617
4700/J6
C9612
0.1/UFN
R9619
220/J6
R9618
1000/J6
R9616
3300/J6
C9611
0.1/UFN
C9610
0.1/UFN
C9609
0.1/UFN
C9606
0.1/UFN
R9613
4700/J6
R9615
2700/J6
C9608
0.1/UFN
R9614
1000/J6
C9607
0.1/UFN
R9612
220/J6
R9641
0/J6
R9633
0/J6
C9621
0.1/UFN
C9619
0.1/UFN
R9659
•PAT/J6
R9660
0/J6
R9663
47K/J6
C9654
16V10/EVV
C9653
470P/UN
R9658
1M/J6
R9657
270/J6
C9658
0.01/UFN
R9653
22K/J6
R9654
22K/J6
R9655
0/J6
R9656
•PAT/J6
R9611
•PAT/J6
R9610
0/J6
R9665
•PAT/J6
IC9606
TC7WU04FT12L
R9664
•PAT/J6
C9670
•PAT/UBN
R9652
100K/J6
R9651
1000/J6
C9652
0.1/UFN
IC9691
MC74HC74AF-R
D
PRE
Q
CLK
CLR
R96
560
R9662
•PAT/J6
R9661
27/J6
C9680
0.1/UFN
V
GND
C9674
•PAT/UFN
L9671
•PAT/LC
A5V
R9670
0/J6
C9673
•PAT/UFN
IC9671
•PAT
R9672
•PAT/J6
R9671
•PAT/RE
C9671
•PAT/EVV
C9672
•PAT/UN
C9675
•PAT/UN
C9676
•PAT/UFN
C9677
•PAT/EVV


9
10
11
12
13
14
15
16
C9603
0.01/UBN
C9604
6V47/EVV
R9641
0/J6
(3)
SEP_Y
C9612
0.1/UFN
R9619
220/J6
R9618
1000/J6
R9616
3300/J6
C9611
0.1/UFN
C9610
0.1/UFN
C9609
0.1/UFN
R9615
2700/J6
C9608
0.1/UFN
R9614
1000/J6
C9607
0.1/UFN
R9612
220/J6
R9633
0/J6
(4)
SEP_C
10
12
D
_PRE
Q
9
11
CLK
_CLR
_Q
8
13
IC9691
MC74HC74AF-R
R9693
0/J6
R9692
*PAT/J6
C9691
100P/UN
R9694
2200/J6
14
15
CX
RX
A
Q
13
2
B
R
QN
4
3
IC9602
SN74LS221NSR
R9695
4700/J6
4
2
D
_PRE
Q
5
3
CLK
_CLR
_Q
6
1
IC9691
MC74HC74AF-R
R9689
1000/J6
L9693
150U/LA
C9693
33P/UN
*PAT/J6
2700/J6
2R7U/LA
100P/UN
*PAT/UN
*PAT/UN
100P/UN
2R7U/LA
1000/J6
R9690
R9696
L9691
C9692
C9695
C9696
C9694
L9692
R9697
R9698
47/J6
R9699
4700/J6
Q9691
MSB709-RT2
IC9602
SN74LS221NSR
V
14
7
GND
C9697
0.01/UBN
V
16
8
GND
IC9691
MC74HC74AF-R
IC9607
*PAT
R9691
5600/J6
1
7
IC9606
TC7WU04FT12L
1
_CLR
9
_LD
RO
15
10
ENT
7
ENP
2
CLK
3
A
QA
14
4
B
QB
13
5
C
QC
12
6
D
QD
11
V
16
8
GND
IC9607
*PAT
R9673
*PAT/J6
C9678
*PAT/EVV
(16V10)
IC9602
SN74LS221NSR
6
7
CX
RX
9601
9
A
Q
5
9603
9602
10
B
R
QN
12
9604
11
R9662
*PAT/J6
R9661
27/J6
C9680
0.1/UFN
V
8
4
GND
IC9606
TC7WU04FT12L

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART

Ref No.9601~9699 Series

IC9601
CXD2105AQ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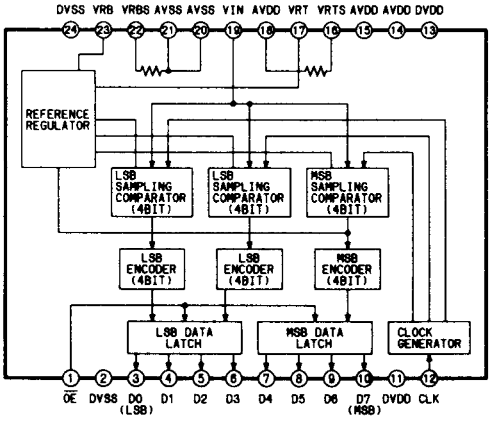
IGPF 79
IGBE 78
IGNP 77
OADC 76
DVss 75
IYC1 74
IYC2 73
IYC3 72
IYC4 71
IYC5 70
IYC6 69
IYC7 68
IYC8 67
IGRC 66
ORDO 65
BPV 1
OPER 2
AVDDP 3
IGPE 4
IGPC 5
AVSSP 6
IGZV 7
OZVD 8
OZPS 9
IGZP 10
DVDD 11
BMC1~8 12 ~ 19
DVss 20
IGDO 21
IGC1 22
IGIH 23
IGRP 24
IGOC 25
AVDDC 26
OC10 27
OCVC 28
ICVR 29
OCIR 30
AVSSC 31
OCVB 32
OYVB 33
AVSSY 34
OYIR 35
IYVR 36
OYVC 37
OYIO 38
AVDDY 39
IGW1 40
IGW2 41
IGW3 42
IGW4 43
IGW5 44
DVss 45
BMY1~8 46 ~ 53
DVDD 54
IGAC 55
IGL3 56
IGL2 57
IGL1 58
BASO 59
IGC2 60
IGY1 61
IGY2 62
IGH1 63
ORZH 64
LSB
MSB
4fsc
CLOCK GEN
BPF
IHOL X2
V. H Correlation Circuit
Y COMB
C
Y+C
Y/C
PB
MIX
MM
270
8
8
C-DAC
Y-DAC

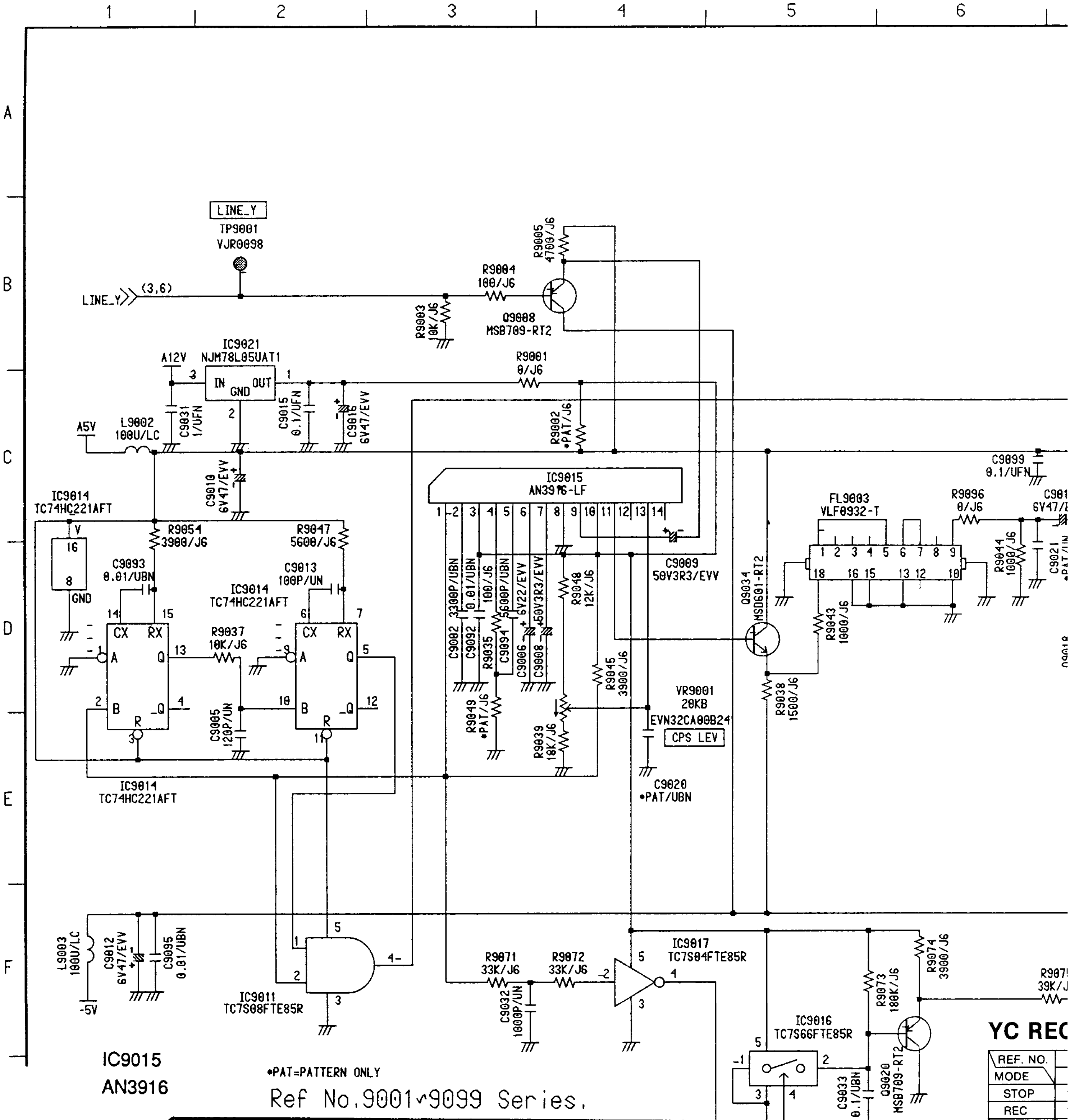
IC9655
CXD1175AM


DVSS 24
VRB 23
VRBS 22
AVSS 21
AVSS 20
VIN 19
AVDD 18
VRT 17
VRTS 16
AVDD 15
AVDD 14
DVDD 13
REFERENCE REGULATOR
LSB SAMPLING COMPARATOR (4BIT)
LSB SAMPLING COMPARATOR (4BIT)
MSB SAMPLING COMPARATOR (4BIT)
LSB ENCODER (4BIT)
LSB ENCODER (4BIT)
MSB ENCODER (4BIT)
LSB DATA LATCH
MSB DATA LATCH
CLOCK GENERATOR
1 $\overline{OE}$
2 DVSS
3 D0 (LSB)
4 D1
5 D2
6 D3
7 D4
8 D5
9 D6
10 D7 (MSB)
11 DVDD
12 CLK

YC REC-2 DC VOLTAGE CHART

REF. NO.	IC9601									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	1.7	4.9	0.1	1.8	0.1	0	0	0	0
REC	0	1.7	4.9	0.1	1.8	0.1	0	0	0	0
REF. NO.	IC9601									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	4.9	0	0	0	0	0	0	0	0	0
REC	4.9	0	0	0	0	0	0	0	0	0
REF. NO.	IC9601									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	0	0	0.1	0	0	4.9	0.5	3.4	0.8	0.9
REC	0	0	0.1	0	0	4.9	0.5	3.4	0.8	0.9
REF. NO.	IC9601									
MODE	31	32	33	34	35	36	37	38	39	40
STOP	0	0.4	0.4	0	0.9	0.8	3.5	0.4	4.9	0
REC	0	0.4	0.4	0	0.9	0.8	3.5	0.4	4.9	0
REF. NO.	IC9601									
MODE	41	42	43	44	45	46	47	48	49	50
STOP	0	0	0	0	0	0	0	0	0	0
REC	0	0	0	0	0	0	0	0	0	0
REF. NO.	IC9601									
MODE	51	52	53	54	55	56	57	58	59	60
STOP	0	0	0	5.1	5.1	0	0	0	0	0
REC	0	0	0	5.1	5.1	0	0	0	0	0
REF. NO.	IC9601									
MODE	61	62	63	64	65	66	67	68	69	70
STOP	5.1	5.1	0	0	0	5.1	1.6	2.8	1.1	2.7
REC	5.1	5.1	0	0	0	5.1	1.6	2.9	1.0	2.8
REF. NO.	IC9601									
MODE	71	72	73	74	75	76	77	78	79	80
STOP	1.5	2.1	1.2	1.2	0	1.2	5.1	0	2.4	0
REC	1.6	2.1	1.3	1.2	0	1.2	5.1	0	2.4	0
REF. NO.	IC9602									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	2.2	4.9	0.4	0.1	5.1	0.4	0	1.4	0.8
REC	0	2.2	4.9	0.4	0.1	5.1	0.3	0	1.4	0.8
REF. NO.	IC9602									
MODE	11	12	13	14	15	16				
STOP	5.1	0.1	2.1	1.6	1.2	5.1				
REC	5.1	0.1	2.1	1.6	1.2	5.1				
REF. NO.	IC9603									
MODE	1	2	3							
STOP	5.1	0	11.4							
REC	5.1	0	11.4							
REF. NO.	IC9606									
MODE	1	2	3	4	5	6	7	8		
STOP	5.1	2.5	0	0	4.9	2.5	0	4.9		
REC	5.1	2.5	0	0	4.9	2.5	0	4.9		
REF. NO.	IC9655									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	1.2	1.1	2.1	1.4	2.7	1.1	2.8	1.6
REC	0	0	1.2	1.5	2.1	1.7	2.8	1.0	2.8	1.6
REF. NO.	IC9655									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	4.9	1.2	4.9	4.9	0	2.7	2.7	4.9	1.6	0
REC	4.9	1.1	4.9	4.9	0	2.7	2.7	4.9	1.6	0
REF. NO.	IC9655									
MODE	21	22	23	24						
STOP	0	0.6	0.6	0						
REC	0	0.6	0.6	0						
REF. NO.	IC9691									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	4.9	2.5	2.1	4.9	2.4	2.5	0	2.1	2.2	5.1
REC	4.9	2.5	2.1	4.9	2.4	2.5	0	2.1	2.2	5.1
REF. NO.	IC9691									
MODE	11	12	13	14						
STOP	1.2	2.1	5.1	5.1						
REC	1.2	2.1	5.1	5.1						
REF. NO.	Q9691									
MODE	E	C	B							
STOP	0.5	0	0							
REC	0.5	0	0							

YC REC-1 SCHEMATIC DIAGRAM 1/6 (E13: AG-8700 0NLY/Page CBA-6)

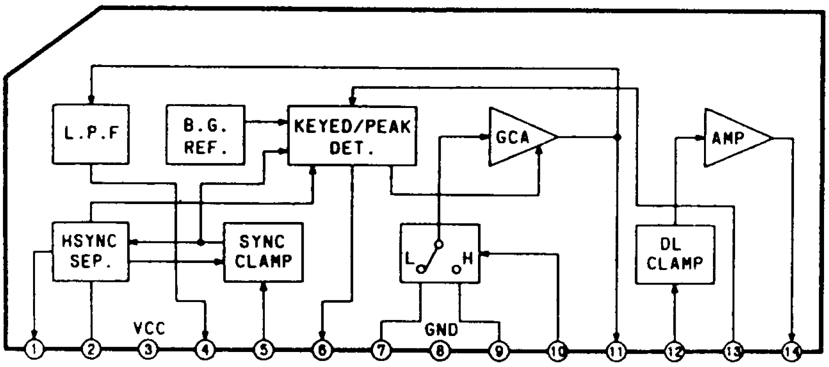


1
2
3
4
5
6
A
B
C
D
E
F
LINE_Y
TP9001
VJR0098
LINE_Y
(3,6)
R9005
4700/J6
R9004
100/J6
R9003
10K/J6
Q9008
MSB709-RT2
IC9021
NJM78L05UAT1
A12V
IN
GND
OUT
C9031
1/UFN
C9015
0.1/UFN
C9016
6V47/EVV
R9001
0/J6
R9002
•PAT/J6
A5V
L9002
100U/LC
C9010
6V47/EVV
IC9015
AN3916-LF
C9099
0.1/UFN
FL9003
VLF0932-T
R9096
0/J6
IC9014
TC74HC221AFT
R9054
3900/J6
R9047
5600/J6
C9009
50V3R3/EVV
C9093
0.01/UBN
C9013
100P/UN
GND
CX
RX
A
Q
B
R
_Q
R9037
10K/J6
C9005
120P/UN
C9002
3300P/UBN
C9092
0.01/UBN
R9035
100/J6
C9094
5600P/UBN
C9006
6V22/EVV
C9008
50V3R3/EVV
R9048
12K/J6
R9045
3900/J6
Q9034
MSD601-RT2
R9043
1000/J6
R9044
1000/J6
C9021
R9038
1500/J6
VR9001
20KB
EVN32CA00B24
CPS LEV
R9049
•PAT/J6
R9039
18K/J6
C9020
•PAT/UBN
L9003
100U/LC
C9012
6V47/EVV
C9095
0.01/UBN
-5V
IC9011
TC7S08FTE85R
R9071
33K/J6
R9072
33K/J6
C9032
1000P/UN
IC9017
TC7S04FTE85R
R9073
180K/J6
R9074
3900/J6
R9075
39K/J
IC9016
TC7S66FTE85R
C9033
0.1/UBN
Q9020
MSB709-RT2

IC9015
AN3916

•PAT=PATTERN ONLY

Ref No.9001~9099 Series.



L.P.F
B.G. REF.
KEYED/PEAK DET.
GCA
AMP
HSYNC SEP.
SYNC CLAMP
L
H
DL CLAMP
VCC
GND
1
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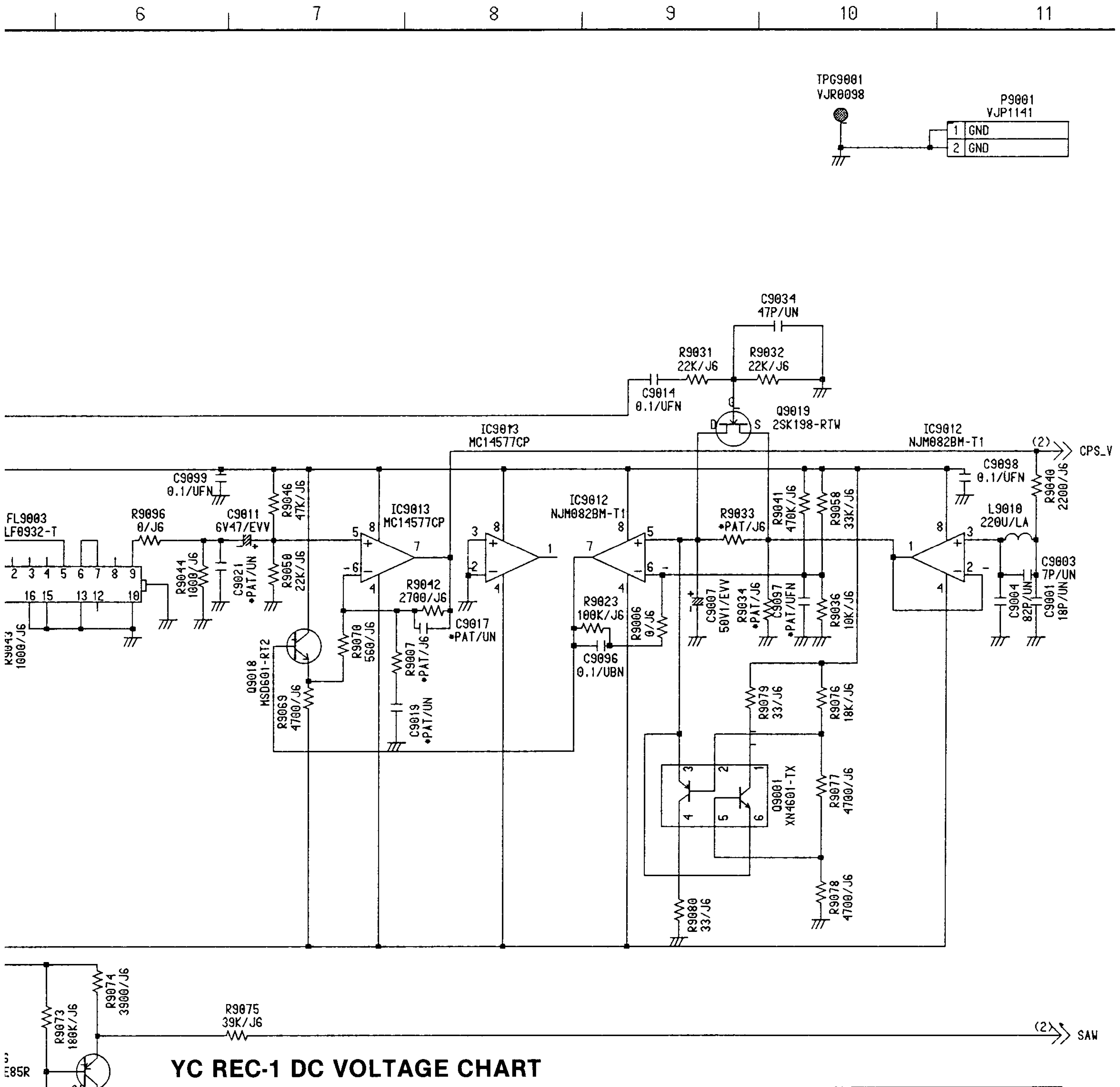
13
14

YC REC

REF. NO. / MODE
STOP
REC
REF. NO. / MODE
STOP
REC
REF. NO. / MODE
STOP
REC
REF. NO. / MODE
STOP
REC
REF. NO. / MODE
STOP
REC

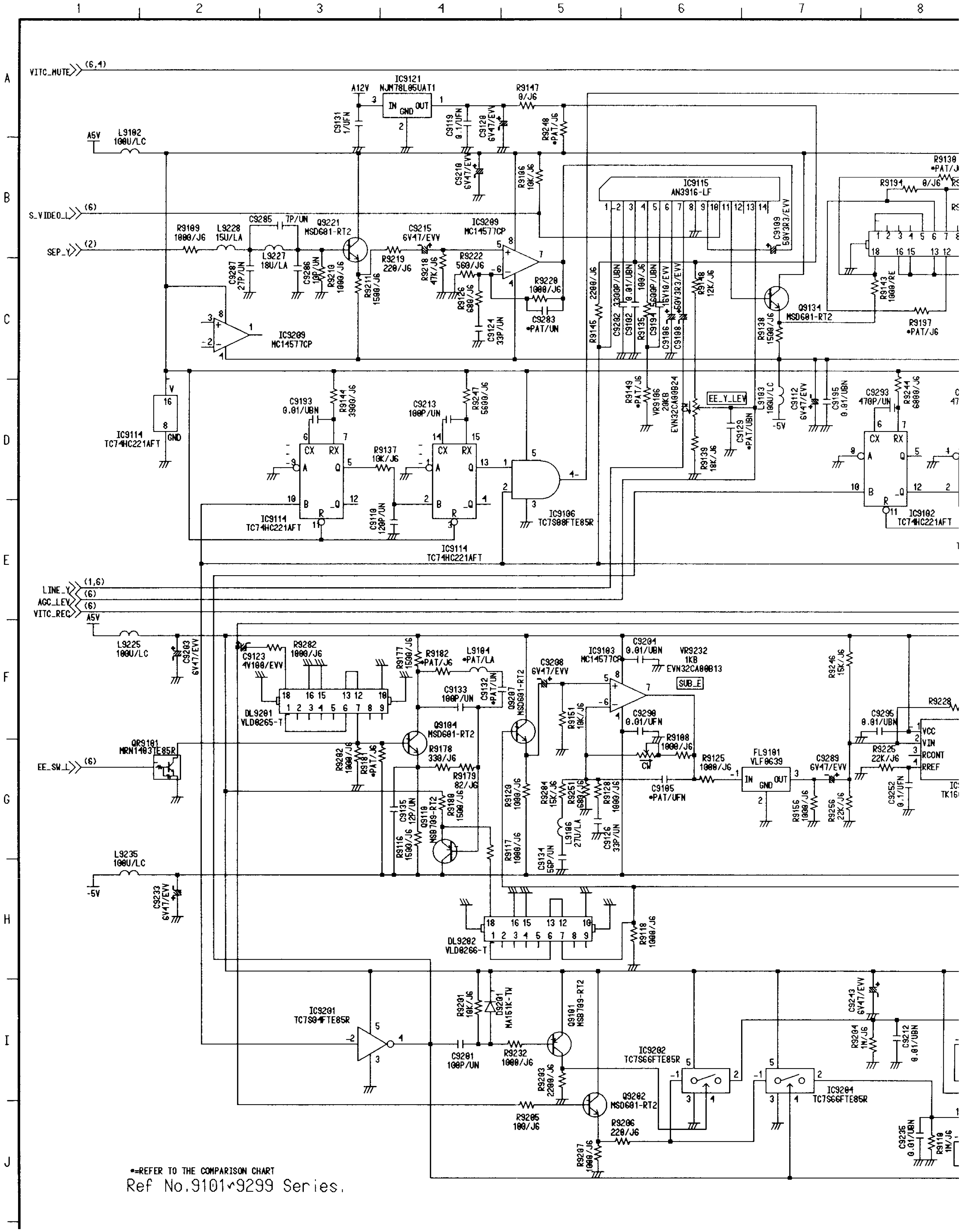
.Y/Page CBA-6)


6
7
8
9
10
11
TPG9001
VJR0098
P9001
VJP1141
1 GND
2 GND
C9034
47P/UN
R9031
22K/J6
R9032
22K/J6
C9014
0.1/UFN
Q9019
2SK198-RTW
G
D
S
IC9013
MC14577CP
IC9012
NJM082BM-T1
(2)
CPS_V
C9099
0.1/UFN
C9098
0.1/UFN
R9040
2200/J6
FL9003
LF0932-T
R9096
0/J6
C9011
6V47/EVV
R9046
47K/J6
IC9013
MC14577CP
IC9012
NJM082BM-T1
R9033
•PAT/J6
R9041
470K/J6
R9058
33K/J6
L9010
220U/LA
C9003
7P/UN
R9044
1000/J6
C9021
•PAT/UN
R9050
22K/J6
R9042
2700/J6
C9017
•PAT/UN
R9023
100K/J6
R9006
0/J6
C9007
50V1/EVV
R9034
•PAT/J6
C9097
•PAT/UFN
R9036
10K/J6
C9004
82P/UN
C9001
18P/UN
R9043
1000/J6
Q9018
MSD601-RT2
R9070
560/J6
R9007
•PAT/J6
C9096
0.1/UBN
R9079
33/J6
R9076
18K/J6
R9069
4700/J6
C9019
•PAT/UN
Q9001
XN4601-TX
R9077
4700/J6
R9080
33/J6
R9078
4700/J6
R9074
3900/J6
R9073
100K/J6
R9075
39K/J6
(2)
SAW
E85R
C9033
0.1/UBN
Q9020
MSB709-RT2

YC REC-1 DC VOLTAGE CHART

REF. NO.	IC9012										IC9013									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8		
STOP	1.6	1.6	1.6	−4.8	1.3	0	2.1	4.7			1.2	0	0	−4.8	1.5	1.5	1.6	4.7		
REC	1.6	1.6	1.6	−4.8	1.3	0	2.1	4.7			1.2	0	0	−4.8	1.5	1.5	1.6	4.7		
REF. NO.	IC9014																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	4.7	4.9	1.9	0.1	0	4.8	0	0	3.0	4.9	4.8	3.0	0	3.4	4.9				
REC	0	4.7	4.9	1.9	0.1	0	4.8	0	0	3.0	4.9	4.8	3.0	0	3.4	4.9				
REF. NO.	IC9015																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	4.7	3.0	5.1	2.0	1.7	2.2	3.0	0	2.9	5.1	2.8	3.0	2.3	1.6						
REC	4.7	3.0	5.1	2.0	1.7	2.2	3.0	0	2.9	5.1	2.8	3.0	2.3	1.6						
REF. NO.	IC9021																			
MODE	O	G	I																	
STOP	5.1	0	11.4																	
REC	5.1	0	11.4																	
REF. NO.	Q9008			Q9018			Q9019													
MODE	E	C	B	E	C	B	S	G	D											
STOP	0.6	−4.8	0	1.5	4.7	2.1	1.6	0	1.3											
REC	0.6	−4.8	0	1.5	4.9	2.2	1.6	0	1.3											

YC REC-3 SCHEMATIC DIAGRAM 3/6 (E13: AG-8700 0NLY/Page CBA-6)



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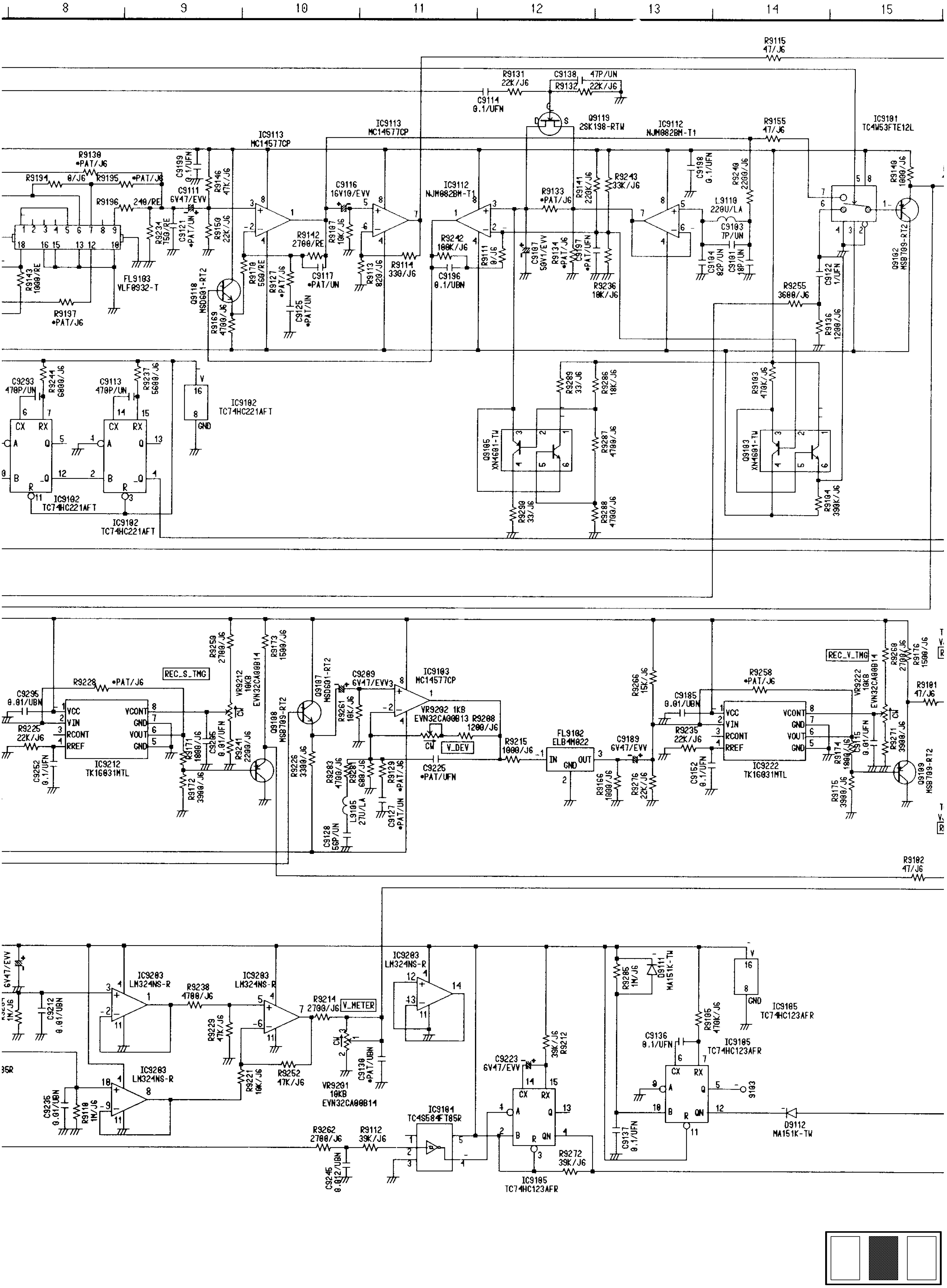
A
B
C
D
E
F
G
H
I
J
VITC_MUTE (6,4)
IC9121 NJM78L05UAT1
A12V
IN OUT GND
C9131 1/UFN
C9119 0.1/UFN
C9120 6V47/EVV
R9147 0/J6
R9240 *PAT/J6
A5V
L9102 100U/LC
C9210 6V47/EVV
R9106 10K/J6
IC9115 AN3916-LF
C9109 50V3R3/EVV
R9130 *PAT/J6
R9194 0/J6
S_VIDEO_L (6)
SEP_Y (2)
R9109 1000/J6
L9228 15U/LA
C9285 7P/UN
Q9221 MSD601-RT2
C9215 6V47/EVV
IC9209 MC14577CP
L9227 18U/LA
C9287 27P/UN
C9286 10P/UN
R9210 1000/J6
R9211 1500/J6
R9219 220/J6
R9218 47K/J6
R9222 560/J6
R9126 680/J6
C9124 33P/UN
R9220 1000/J6
C9283 *PAT/UN
R9145 2200/J6
C9202 3300P/UBN
C9102 0.01/UBN
R9135 100/J6
C9194 560P/UBN
C9106 16V10/EVV
C9108 50V3R3/EVV
R9148 12K/J6
Q9134 MSD601-RT2
R9138 1500/J6
R9143 1000/RE
R9197 *PAT/J6
IC9209 MC14577CP
IC9114 TC74HC221AFT
C9193 0.01/UBN
R9144 3900/J6
C9213 100P/UN
R9247 5600/J6
R9137 10K/J6
C9110 120P/UN
IC9114 TC74HC221AFT
IC9106 TC7S08FTE85R
R9149 *PAT/J6
VR9106 20KB EVN32CA00B24
EE_Y_LEV
R9139 18K/J6
C9129 *PAT/UBN
L9103 100U/LC
-5V
C9112 6V47/EVV
C9195 0.01/UBN
C9293 470P/UN
R9244 6800/J6
IC9102 TC74HC221AFT
CX RX A B Q -Q R
LINE_Y (1,6)
AGC_LEV (6)
VITC_REC (6)
A5V
L9225 100U/LC
C9203 6V47/EVV
C9123 4V100/EVV
R9282 1000/J6
R9177 1500/J6
R9182 *PAT/J6
L9104 *PAT/LA
DL9201 VLD0265-T
C9133 100P/UN
C9132 *PAT/UN
Q9207 MSD601-RT2
C9208 6V47/EVV
IC9103 MC14577CP
C9204 0.01/UBN
VR9232 1KB EVN32CA00B13
SUB_E
Q9104 MSD601-RT2
R9178 330/J6
R9179 82/J6
QR9101 MRN1403TE85R
EE_SW_L (6)
R9202 1000/J6
R9181 *PAT/J6
C9135 120P/UN
Q9110 MSB709-RT2
R9180 1500/J6
R9116 1500/J6
R9151 10K/J6
C9290 0.01/UFN
R9108 1000/J6
R9125 1000/J6
FL9101 VLF0639
C9289 6V47/EVV
R9246 15K/J6
C9295 0.01/UBN
R9225 22K/J6
R9228
VCC VIN RCONT RREF
C9252 0.1/UFN
R9120 1000/J6
R9204 15K/J6
R9251 680/J6
R9128 1000/J6
C9105 *PAT/UFN
R9156 1000/J6
R9256 22K/J6
R9117 1000/J6
C9134 56P/UN
L9106 27U/LA
C9126 33P/UN
L9235 100U/LC
-5V
C9233 6V47/EVV
DL9202 VLD0266-T
R9118 1000/J6
IC9201 TC7S04FTE85R
R9201 10K/J6
D9201 MA151K-TW
Q9101 MSB709-RT2
C9201 100P/UN
R9232 1000/J6
R9203 2200/J6
IC9202 TC7S66FTE85R
IC9204 TC7S66FTE85R
C9243 6V47/EVV
R9204 1M/J6
C9212 0.01/UBN
Q9202 MSD601-RT2
R9205 100/J6
R9206 220/J6
R9207 1000/J6
C9235 0.01/UBN
R9110 1M/J6

*=REFER TO THE COMPARISON CHART

Ref No.9101~9299 Series.

CBA-6)



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R9115 47/J6
R9131 22K/J6
C9138 47P/UN
R9132 22K/J6
C9114 0.1/UFN
Q9119 2SK198-RTW
IC9113 MC14577CP
IC9112 NJM082BM-T1
R9155 47/J6
IC9101 TC4W53FTE12L
R9130 •PAT/J6
R9194 0/J6
R9195 •PAT/J6
R9196 240/RE
C9199 0.1/UFN
C9111 6V47/EVV
R9146 47K/J6
R9234 750/RE
C9121 •PAT/UN
R9150 22K/J6
C9116 16V10/EVV
R9142 2700/RE
R9107 10K/J6
R9242 100K/J6
R9111 0/J6
C9196 0.1/UBN
R9133 •PAT/J6
R9141 220K/J6
R9243 33K/J6
C9107 50V1/EVV
R9134 •PAT/J6
C9197 •PAT/UFN
R9236 10K/J6
C9198 0.1/UFN
R9240 2200/J6
L9110 220U/LA
C9103 7P/UN
C9104 82P/UN
C9101 18P/UN
R9140 1000/J6
Q9102 MSB709-RT2
C9122 1/UFN
R9255 3600/J6
R9136 1200/J6
R9143 1000/RE
FL9103 VLF0932-T
R9197 •PAT/J6
Q9118 MSD601-RT2
R9169 4700/J6
R9170 560/RE
R9127 •PAT/J6
C9125 •PAT/UN
C9117 •PAT/UN
R9113 820/J6
R9114 330/J6
C9293 470P/UN
R9244 6800/J6
C9113 470P/UN
R9237 5600/J6
IC9102 TC74HC221AFT
GND
CX RX
A Q
B _Q
R
R9289 33/J6
R9286 10K/J6
Q9105 XN4601-TW
R9287 4700/J6
R9290 33/J6
R9288 4700/J6
R9103 470K/J6
Q9103 XN4601-TW
R9104 390K/J6
R9228 •PAT/J6
REC_S_TMG
R9250 2700/J6
R9173 1500/J6
VR9212 10KB EVN32CA00B14
C9295 0.01/UBN
R9225 22K/J6
C9252 0.1/UFN
VCC VIN RCONT RREF
VCONT GND VOUT GND
IC9212 TK16031MTL
R9171 1800/J6
C9285 0.01/UFN
R9241 2200/J6
R9172 3900/J6
Q9108 MSB709-RT2
Q9107 MSD601-RT2
C9209 6V47/EVV
IC9103 MC14577CP
R9261 10K/J6
VR9202 1KB EVN32CA00B13
R9208 1200/J6
V_DEV
R9226 3300/J6
R9283 4700/J6
R9281 680/J6
R9129 •PAT/J6
L9105 27U/LA
C9127 •PAT/UN
C9128 56P/UN
C9225 •PAT/UFN
R9215 1000/J6
FL9102 ELB4M022
IN GND OUT
C9189 6V47/EVV
R9166 1000/J6
R9276 22K/J6
R9266 15K/J6
C9185 0.01/UBN
R9235 22K/J6
C9152 0.1/UFN
R9258 •PAT/J6
IC9222 TK16031MTL
REC_V_TMG
VR9222 10KB EVN32CA00B14
R9260 2700/J6
R9176 1500/J6
R9101 47/J6
R9174 1800/J6
C9115 0.01/UFN
R9271 3900/J6
R9175 3900/J6
Q9109 MSB709-RT2
R9102 47/J6
6V47/EVV
C9212 0.01/UBN
IC9203 LM324NS-R
R9238 4700/J6
R9229 47K/J6
R9214 2700/J6
V_METER
VR9201 10KB EVN32CA00B14
C9130 •PAT/UBN
R9252 47K/J6
R9221 10K/J6
C9236 0.01/UBN
R9110 1M/J6
R9262 2700/J6
R9112 39K/J6
C9245 0.012/UBN
IC9104 TC4S584FT85R
C9223 6V47/EVV
R9212 39K/J6
IC9105 TC74HC123AFR
CX RX
A Q
B QN
R
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R9285 1M/J6
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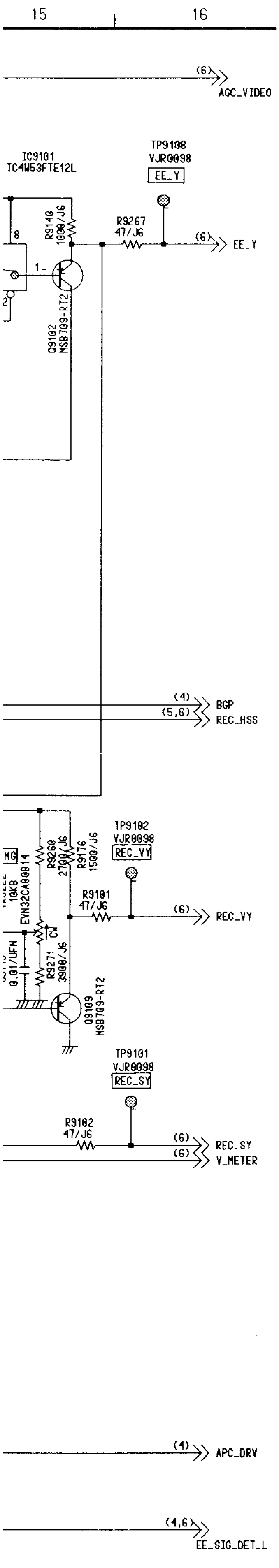
C9137 0.1/UFN
9103
D9112 MA151K-TW
V
GND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16
(6)
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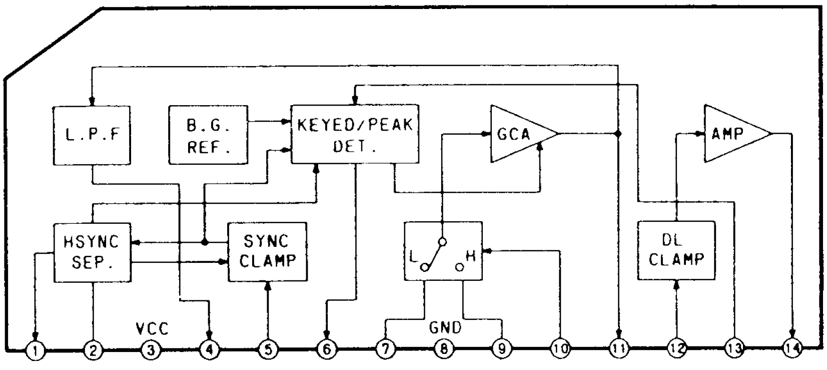
TP9108
VJR0098
EE_Y
R9140
1000/J6
R9267
47/J6
(6)
EE_Y
8
1
2
Q9102
MSB709-RT2
(4)
BGP
(5,6)
REC_HSS
TP9102
VJR0098
REC_VY
MG
R9260
2700/J6
R9176
1500/J6
10KB
EVN32CA00B14
R9101
47/J6
(6)
REC_VY
CW
0.01/UFN
R9271
3900/J6
Q9109
MSB709-RT2
TP9101
VJR0098
REC_SY
R9102
47/J6
(6)
REC_SY
(6)
V_METER
(4)
APC_DRV
(4,6)
EE_SIG_DET_L

YC REC-3 DC VOLTAGE CHART

REF. NO.	IC9101																	
MODE	1	2	3	4	5	6	7	8										
STOP	1.4	0	−4.6	0	0	1.2	1.4	4.6										
REC	1.4	0	−4.6	0	0.2	1.2	1.4	4.6										
REF. NO.	IC9102																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	4.3	4.6	4.3	0.3	0	4.4	0	0	0.3	4.6	4.3	0.2	0	4.4	4.6		
REC	0	4.3	4.6	4.3	0.3	0	4.4	0	0	0.3	4.6	4.3	0.2	0	4.4	4.6		
REF. NO.	IC9103									IC9104								
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5				
STOP	0	0	0	−4.7	0	0	0	4.6		0	0.3	0	4.5	4.6				
REC	0	0	0	−4.7	0	0	0	4.6		0	0.3	0	4.5	4.6				
REF. NO.	IC9105																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	4.5	4.6	4.6	0	0	0	4.4	0	0	4.1	4.6	4.6	4.6	0	1.3	4.6		
REC	4.5	4.6	4.6	0	0	0	4.4	0	0	4.1	4.6	4.6	4.6	0	1.3	4.6		
REF. NO.	IC9112									IC9113								
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	
STOP	2.1	1.2	1.2	−4.6	1.4	1.4	1.4	4.6		1.4	1.4	1.4	−4.6	0	−0.1	0	4.6	
REC	2.1	1.2	1.2	−4.6	1.4	1.4	1.4	4.6		1.4	1.4	1.4	−4.6	0	−0.1	0	4.6	
REF. NO.	IC9114																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
STOP	0	2.7	4.6	4.5	2.7	0	3.3	0	0	4.6	4.6	1.9	0.1	0	4.5	4.6		
REC	0	2.7	4.6	4.5	2.7	0	3.3	0	0	4.6	4.6	1.9	0.1	0	4.5	4.6		
REF. NO.	IC9115																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14				
STOP	4.6	3.0	5.0	1.9	1.6	2.2	3.0	0	2.9	3.2	2.6	3.0	2.9	1.6				
REC	4.6	3.0	5.0	1.9	1.6	2.2	2.9	0	2.9	3.2	2.6	3.0	2.9	1.6				
REF. NO.	IC9121									IC9201								
MODE	1	2	3							1	2	3	4	5				
STOP	5.0	0	11.4							0	4.6	0	0.3	4.6				
REC	5.0	0	11.4							0	4.6	0	0.3	4.6				
REF. NO.	IC9202																	
MODE	1	2	3	4	5	6	7	8										
STOP	1.4	1.2	0.3	0	0.9	1.4	0.2	4.6										
REC	1.4	1.2	0.3	0	0.9	1.4	0.2	4.6										
REF. NO.	IC9203																	
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14				
STOP	1.2	1.2	1.2	4.6	1.1	1.1	1.7	1.0	1.0	1.0	0	0.2	0.2	0				
REC	1.2	1.2	1.2	4.6	1.1	1.1	1.7	1.0	1.0	1.0	0	0.2	0.2	0				
REF. NO.	IC9209									IC9212								
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	
STOP	−4.6	0	0	−4.6	0	0	0	4.6		4.6	2.7	2.5	2.2	0	2.7	0	2.2	
REC	−4.6	0	0	−4.6	0	0	0	4.6		4.6	2.7	2.5	2.2	0	2.8	0	2.2	
REF. NO.	IC9222																	
MODE	1	2	3	4	5	6	7	8										
STOP	4.6	2.7	2.5	2.4	0	2.7	0	2.5										
REC	4.6	2.7	2.5	2.4	0	2.7	0	2.5										
REF. NO.	Q9101			Q9102			Q9103						Q9104			Q9107		
MODE	E	C	B	E	C	B	1	2	3	4	5	6	E	C	B	E	C	B
STOP	4.6	0.2	4.5	2.0	−4.6	1.4	4.6	1.2	1.7	−4.6	1.7	1.2	−0.7	0.6	0	−0.7	4.6	0
REC	4.6	0.2	4.5	2.0	−4.6	1.4	4.6	1.2	1.7	−4.6	1.7	1.2	−0.7	0.6	0	−0.7	4.6	0
REF. NO.	Q9108			Q9109			Q9110			Q9118			Q9119			Q9134		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	S	G	D	E	C	B
STOP	2.5	0	1.9	2.5	0	1.9	0	−4.7	−0.7	1.5	4.6	2.1	1.4	0	1.4	2.0	4.6	2.6
REC	2.5	0	1.9	2.5	0	1.9	0	−4.7	−0.7	1.5	4.6	2.1	1.4	0	1.4	2.0	4.6	2.6
REF. NO.	Q9202			Q9207														
MODE	E	C	B	E	C	B												
STOP	1.4	4.6	2.0	−0.7	4.6	0												
REC	1.4	4.6	2.0	−0.7	4.6	0												

IC9115
AN3916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B.G.
REF.
KEYED/PEAK
DET.
GCA
AMP
HSYNC
SEP.
SYNC
CLAMP
L
H
DL
CLAMP
VCC
GND
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3
4
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11
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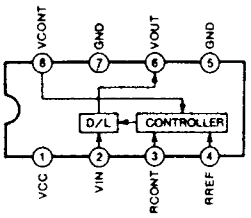
13
14

IC9212,9222
TK16031MTL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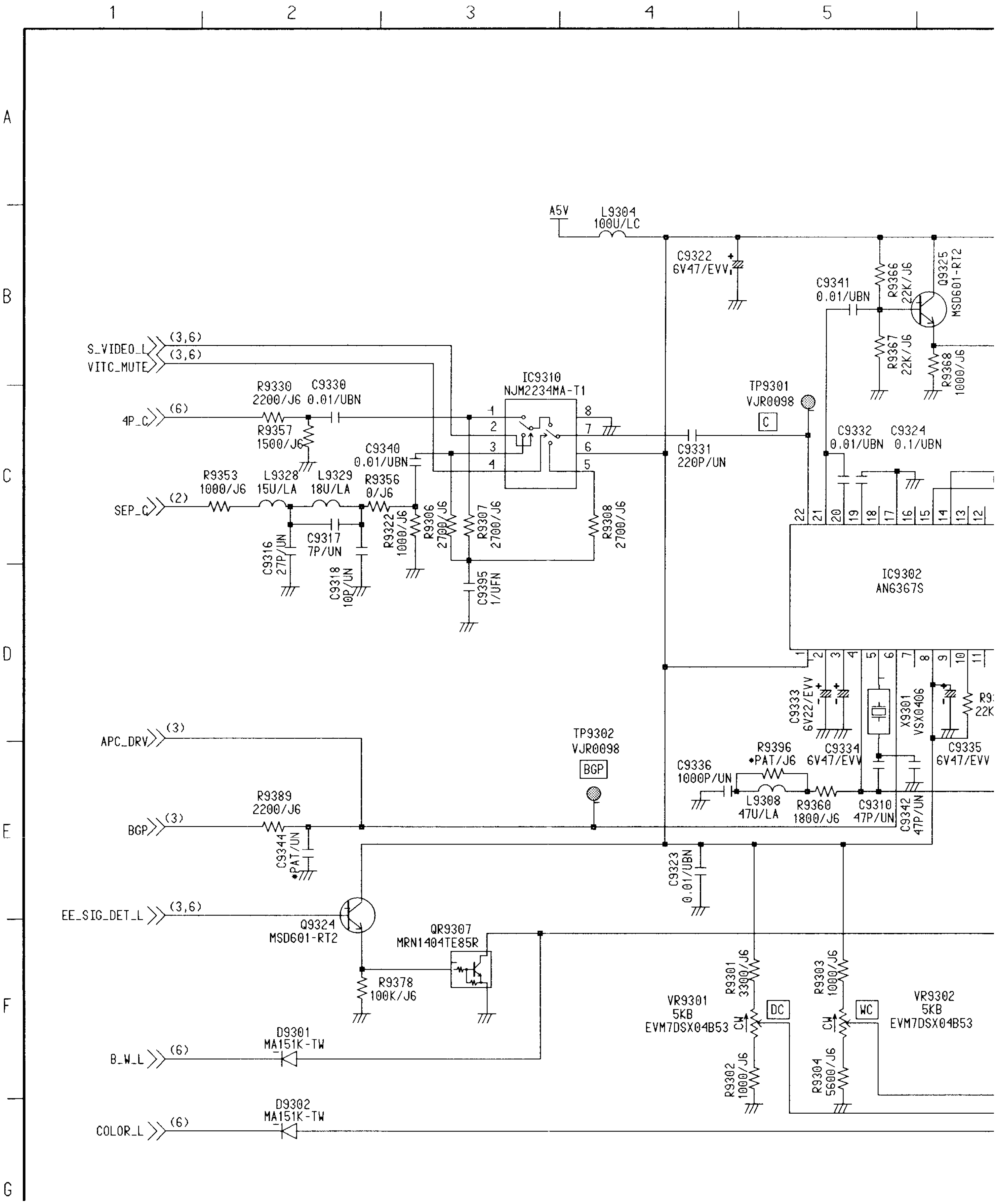
GND
VOUT
GND
8
7
6
5
D/L
CONTROLLER
1
2
3
4
VCC
VIN
RCONT
RREF

YC REC-4 SCHEMATIC DIAGRAM 4/6 (E13: AG-8700 0NLY/Page CBA-6)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3
4
5
A
B
C
D
E
F
G
A5V
L9304
100U/LC
C9322
6V47/EVV
C9341
0.01/UBN
R9366
22K/J6
Q9325
MSD601-RT2
R9367
22K/J6
R9368
1000/J6
S_VIDEO_L
(3,6)
VITC_MUTE
(3,6)
IC9310
NJM2234MA-T1
TP9301
VJR0098
C
4P_C
(6)
R9330
2200/J6
C9330
0.01/UBN
R9357
1500/J6
C9340
0.01/UBN
C9331
220P/UN
C9332
0.01/UBN
C9324
0.1/UBN
SEP_C
(2)
R9353
1000/J6
L9328
15U/LA
L9329
18U/LA
R9356
0/J6
C9316
27P/UN
C9317
7P/UN
C9318
10P/UN
R9322
1000/J6
R9306
2700/J6
R9307
2700/J6
R9308
2700/J6
C9395
1/UFN
IC9302
AN6367S
C9333
6V22/EVV
X9301
VSX0406
R9
22K
APC_DRV
(3)
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VJR0098
BGP
R9396
*PAT/J6
C9334
6V47/EVV
C9335
6V47/EVV
C9336
1000P/UN
L9308
47U/LA
R9360
1800/J6
C9310
47P/UN
C9342
47P/UN
BGP
(3)
R9389
2200/J6
C9344
*PAT/UN
C9323
0.01/UBN
EE_SIG_DET_L
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Q9324
MSD601-RT2
QR9307
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R9378
100K/J6
R9301
3300/J6
R9303
1000/J6
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EVM7DSX04B53
DC
WC
VR9302
5KB
EVM7DSX04B53
CW
R9302
1000/J6
R9304
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D9301
MA151K-TW
COLOR_L
(6)
D9302
MA151K-TW

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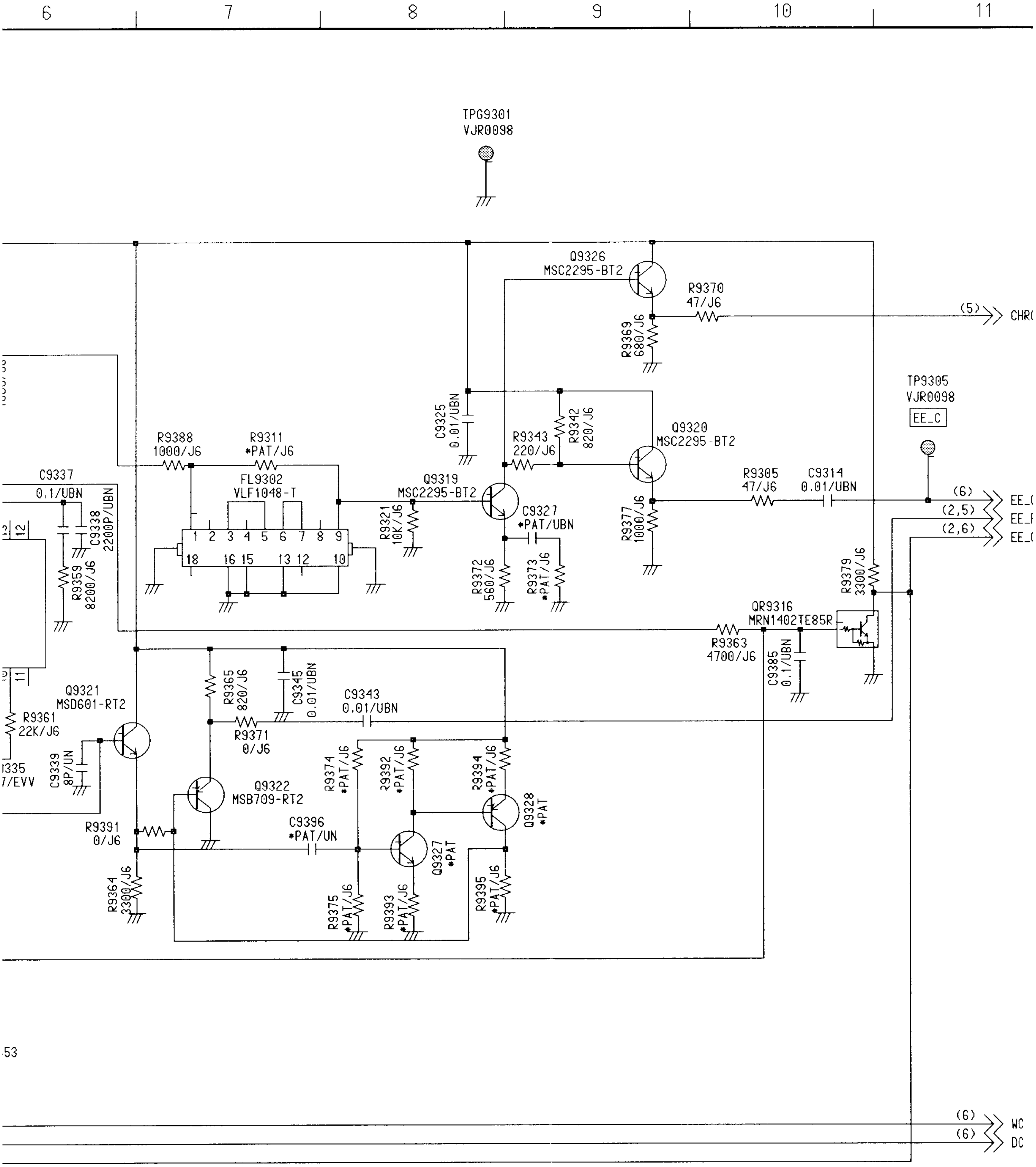
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47/J6
(5)
CHR
R9369
680/J6
TP9305
VJR0098
EE_C
C9325
0.01/UBN
R9343
220/J6
R9342
820/J6
Q9320
MSC2295-BT2
R9388
1000/J6
R9311
*PAT/J6
FL9302
VLF1048-T
1 2 3 4 5 6 7 8 9
18 16 15 13 12 10
C9337
0.1/UBN
12
C9338
2200P/UBN
R9359
8200/J6
Q9319
MSC2295-BT2
R9321
10K/J6
C9327
*PAT/UBN
R9372
560/J6
R9373
*PAT/J6
R9305
47/J6
C9314
0.01/UBN
R9377
1000/J6
(6)
EE_
(2,5)
EE_
(2,6)
EE_
R9379
3300/J6
QR9316
MRN1402TE85R
R9363
4700/J6
C9385
0.1/UBN
11
Q9321
MSD601-RT2
R9361
22K/J6
335
7/EVV
C9339
8P/UN
R9365
820/J6
C9345
0.01/UBN
C9343
0.01/UBN
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0/J6
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MSB709-RT2
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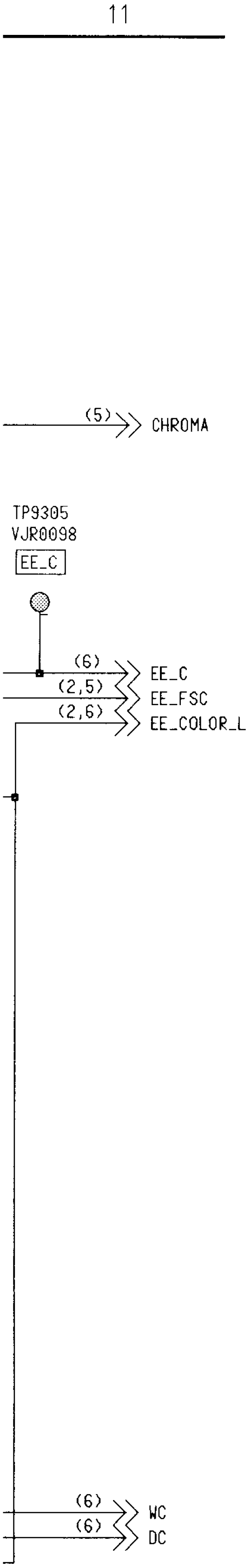
*PAT/J6
R9392
*PAT/J6
R9394
*PAT/J6
Q9328
*PAT
R9391
0/J6
C9396
*PAT/UN
Q9327
*PAT
R9364
3300/J6
R9375
*PAT/J6
R9393
*PAT/J6
R9395
*PAT/J6
53
(6)
WC
(6)
DC

*=REFER TO THE COMPARISON CHART

Ref No.9301~9399 Serie

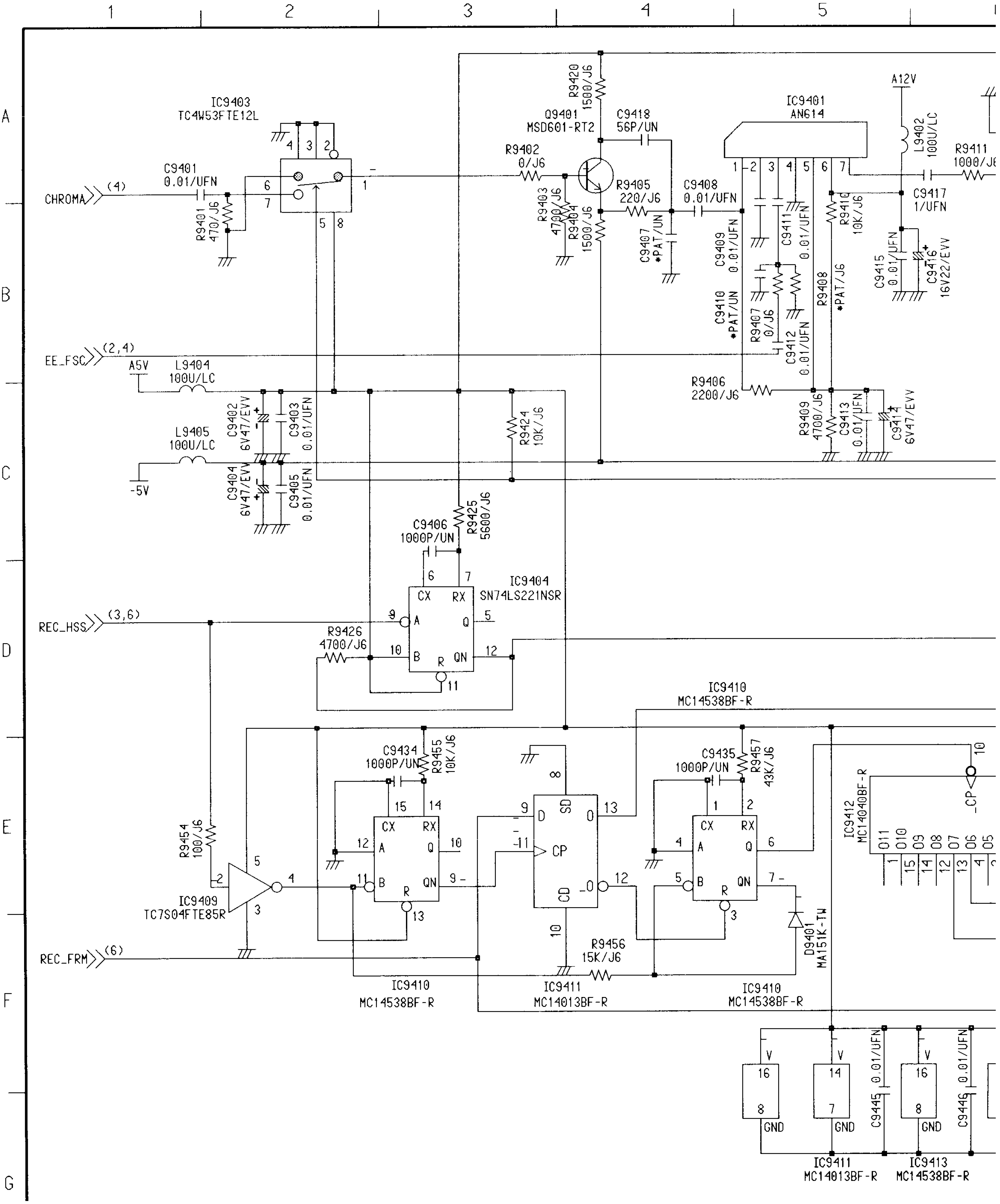


ARISON CHART
399 Series.

YC REC-4 DC VOLTAGE CHART

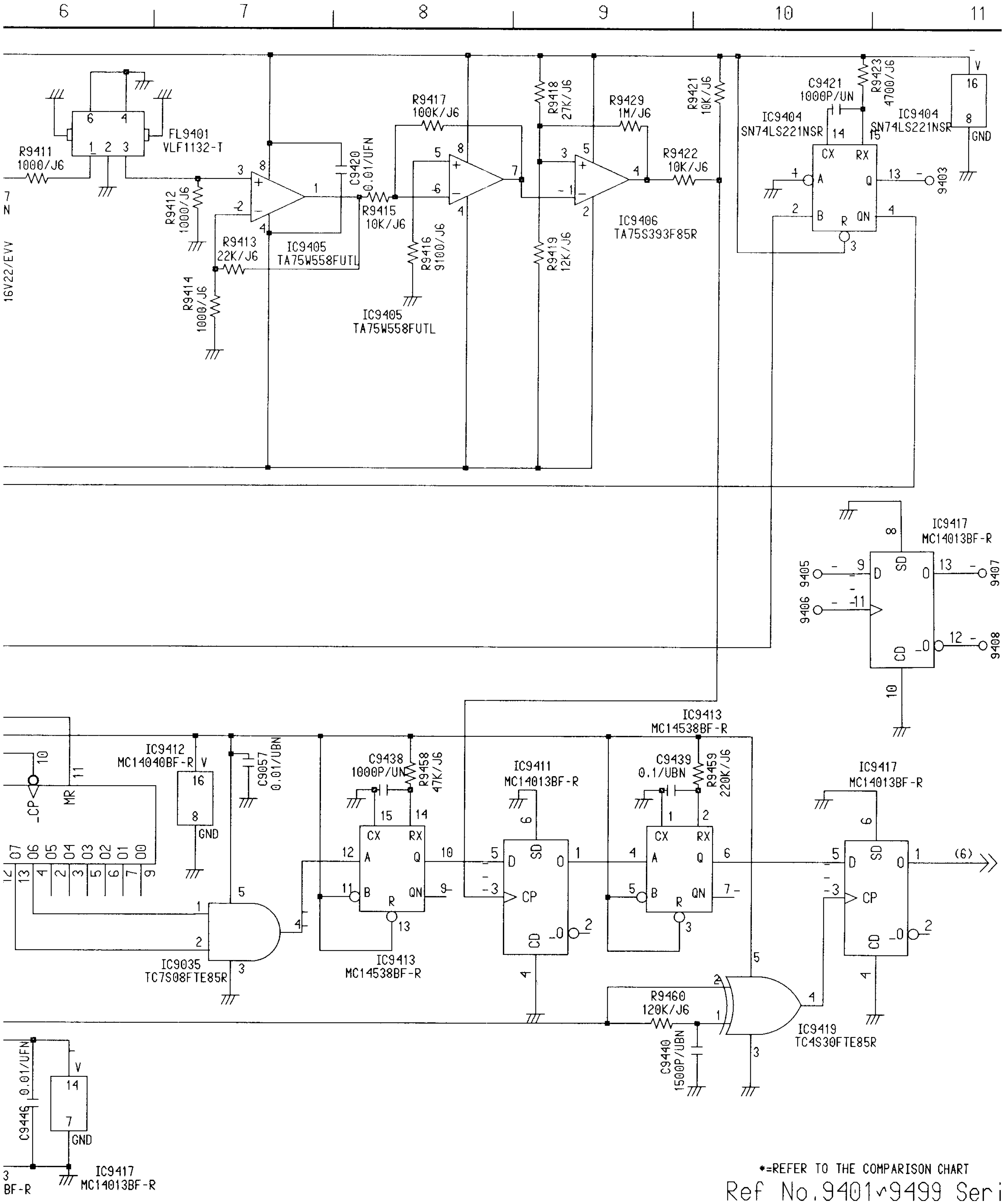
REF. NO.	IC9302									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	4.7	3.0	2.8	2.8	2.4	3.8	3.3	4.7	3.8	1.6
REC	4.7	3.0	3.0	2.8	2.4	3.8	3.3	4.7	3.8	1.6
REF. NO.	IC9302									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	4.0	0	1.9	2.6	2.2	4.6	0	2.8	2.4	2.9
REC	4.0	0	2.0	2.6	2.2	4.6	0	2.8	2.4	2.9
REF. NO.	IC9302									
MODE	21	22								
STOP	3.3	2.9								
REC	3.3	2.9								
REF. NO.	IC9310									
MODE	1	2	3	4	5	6	7	8		
STOP	2.8	3.2	2.8	0	2.8	4.7	2.1	0		
REC	2.8	3.2	2.8	0.2	2.8	4.7	2.1	0		
REF. NO.	Q9319			Q9320			Q9321			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0.8	3.2	1.5	2.8	4.7	3.5	2.2	4.7	2.8	
REC	0.8	3.2	1.5	2.8	4.7	3.5	2.2	4.7	2.8	
REF. NO.	Q9322			Q9324			Q9325			
MODE	E	C	B	E	C	B	E	C	B	
STOP	2.8	0	2.2	0	4.7	0	1.7	4.7	2.3	
REC	2.8	0	2.2	0	4.7	0	1.7	4.7	2.3	
REF. NO.	Q9326									
MODE	E	C	B							
STOP	2.4	4.7	3.2							
REC	2.4	4.7	3.2							
REF. NO.	QR9307			QR9316						
MODE	E	C	B	E	C	B				
STOP	0	2.2	0	0	0.1	2.2				
REC	0	2.2	0	0	0.1	2.2				

YC REC-5 SCHEMATIC DIAGRAM 5/6 (E13: AG-8700 0NLY/Page CBA-6)



1
2
3
4
5
A
B
C
D
E
F
G
IC9403
TC4W53FTE12L
C9401
0.01/UFN
CHROMA
(4)
R9401
470/J6
R9420
1500/J6
Q9401
MSD601-RT2
C9418
56P/UN
IC9401
AN614
A12V
L9402
100U/LC
R9411
1000/J6
R9402
0/J6
R9403
4700/J6
R9404
1500/J6
R9405
220/J6
C9408
0.01/UFN
C9407
*PAT/UN
C9409
0.01/UFN
C9411
0.01/UFN
R9410
10K/J6
C9417
1/UFN
C9415
0.01/UFN
C9416
16V22/EVV
C9410
*PAT/UN
R9407
0/J6
C9412
0.01/UFN
R9408
*PAT/J6
EE_FSC
(2,4)
A5V
L9404
100U/LC
C9402
6V47/EVV
C9403
0.01/UFN
R9424
10K/J6
R9406
2200/J6
R9409
4700/J6
C9413
0.01/UFN
C9414
6V47/EVV
L9405
100U/LC
-5V
C9404
6V47/EVV
C9405
0.01/UFN
R9425
5600/J6
C9406
1000P/UN
IC9404
SN74LS221NSR
CX
RX
A
Q
B
QN
R
REC_HSS
(3,6)
R9426
4700/J6
IC9410
MC14538BF-R
C9434
1000P/UN
R9455
10K/J6
C9435
1000P/UN
R9457
43K/J6
IC9412
MC14040BF-R
CP
D
SD
CD
R9454
100/J6
IC9409
TC7S04FTE85R
D9401
MA151K-TW
R9456
15K/J6
REC_FRM
(6)
IC9410
MC14538BF-R
IC9411
MC14013BF-R
IC9410
MC14538BF-R
Q11
Q10
Q9
Q8
Q7
Q6
Q5
V
GND
C9445
0.01/UFN
C9446
0.01/UFN
IC9411
MC14013BF-R
IC9413
MC14538BF-R

-6)


6
7
8
9
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11
FL9401
VLF1132-T
R9411
1000/J6
R9412
1000/J6
R9413
22K/J6
R9414
1000/J6
16V22/EVV
C9420
0.01/UFN
IC9405
TA75W558FUTL
R9415
10K/J6
R9416
9100/J6
R9417
100K/J6
R9418
27K/J6
R9419
12K/J6
R9429
1M/J6
R9422
10K/J6
IC9406
TA75S393F85R
R9421
10K/J6
C9421
1000P/UN
R9423
4700/J6
IC9404
SN74LS221NSR
CX
RX
A
B
R
Q
QN
9403
V
16
8
GND
IC9417
MC14013BF-R
D
SD
CD
9405
9406
9407
9408
IC9412
MC14040BF-R
_CP
MR
07 06 05 04 03 02 01 00
C9057
0.01/UBN
IC9035
TC7S08FTE85R
C9438
1000P/UN
R9458
47K/J6
IC9413
MC14538BF-R
IC9411
MC14013BF-R
C9439
0.1/UBN
R9459
220K/J6
CP
(6)
R9460
120K/J6
C9440
1500P/UBN
IC9419
TC4S30FTE85R
C9446
0.01/UFN
14
7
IC9417
MC14013BF-R
BF-R

*=REFER TO THE COMPARISON CHART

Ref No.9401~9499 Seri

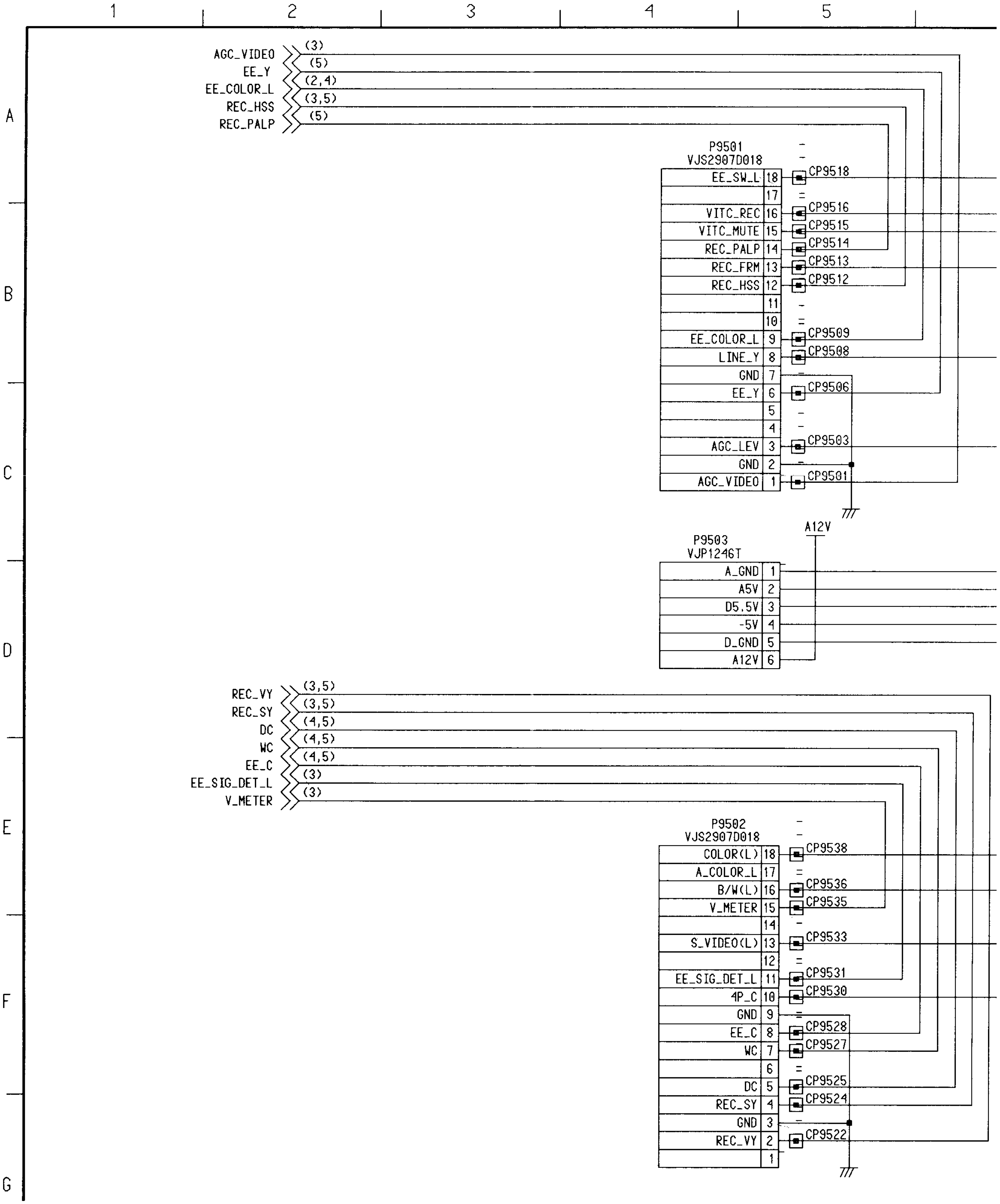
11
V
16
8
GND
:9417
4013BF-R
13
9407
12
9408
(6)
REC_PALP

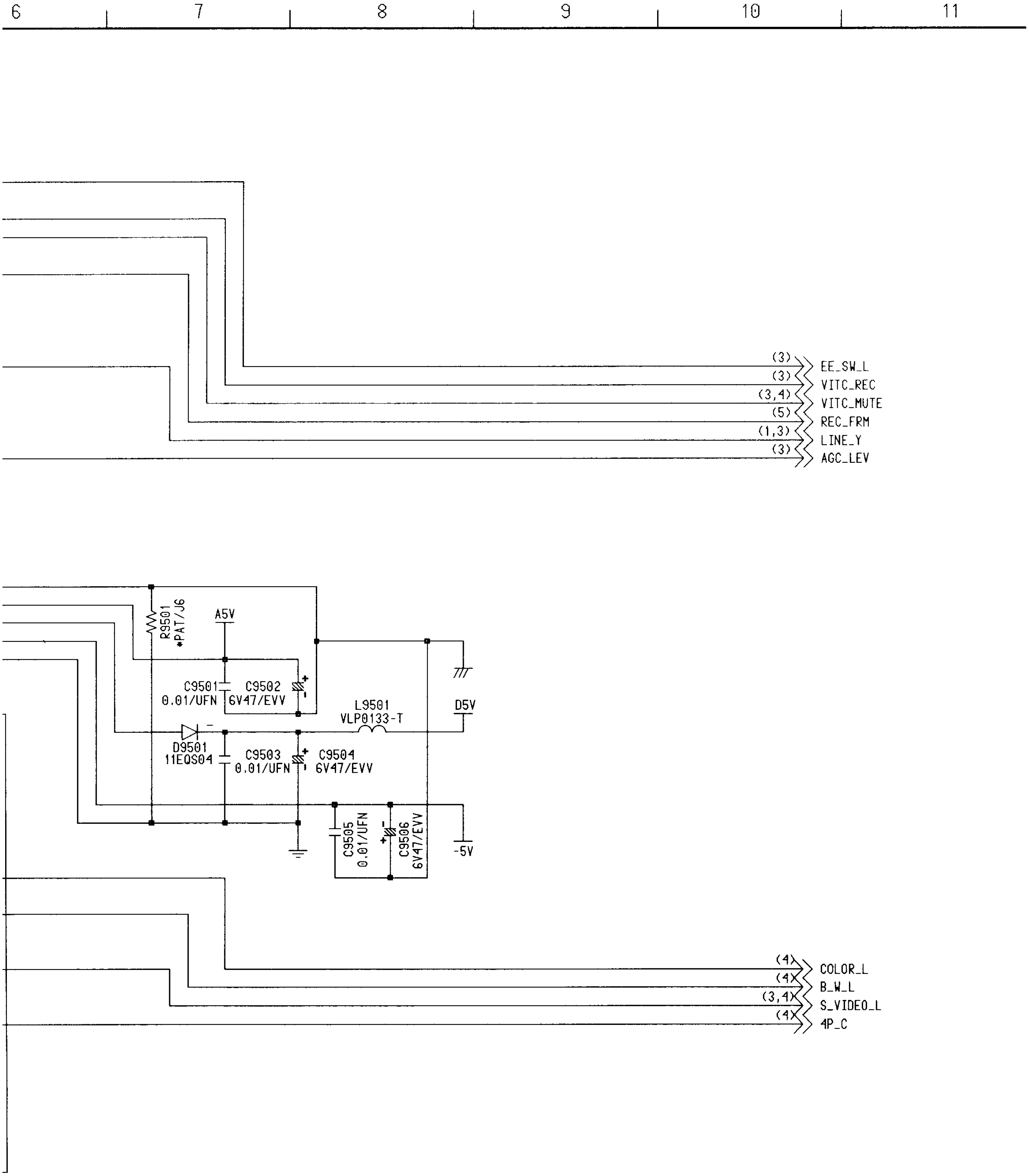
YC REC-5 DC VOLTAGE CHART

REF. NO.	IC9401										IC9403									
MODE	1	2	3	4	5	6	7				1	2	3	4	5	6	7	8		
STOP	3.7	4.2	4.2	0	3.8	11.4	7.7				0	0	0	0	4.4	0	0	4.8		
REC	3.7	4.2	4.2	0	3.8	11.4	7.7				0	0	0	0	4.4	0	0	4.8		
REF. NO.	IC9404																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	4.5	4.8	4.4	0.3	4.5	0.8	0	4.6	4.8	4.8	4.5	0.3	4.6	0.9	4.8				
REC	0	4.5	4.8	4.4	0.3	4.5	0.8	0	4.6	4.8	4.8	4.5	0.3	4.6	0.9	4.8				
REF. NO.	IC9405										IC9406									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5					
STOP	0	0	0	−4.9	0	0	0	4.8			0	−4.9	−1.8	−4.8	4.8					
REC	0	0	0	−4.9	0	0	0	4.8			0	−4.9	−1.8	−4.8	4.8					
REF. NO.	IC9409																			
MODE	1	2	3	4	5															
STOP	0	4.6	0	0.4	4.8															
REC	0	4.6	0	0.4	4.8															
REF. NO.	IC9410																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	3.4	2.4	0	0.3	1.8	3.0	0	3.8	1.1	0.4	0	4.8	3.8	0	4.8				
REC	0	3.4	2.4	0	0.3	1.8	3.0	0	3.8	1.1	0.4	0	4.8	3.7	0	4.8				
REF. NO.	IC9411																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	0	4.8	0.1	0	0	0	0	0	2.6	0	3.8	2.4	2.4	4.8						
REC	0	4.8	0.1	0	0	0	0	0	2.5	0	3.8	2.4	2.4	4.8						
REF. NO.	IC9412																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	1.2	1.2	1.0	1.2	1.2	1.2	0	1.2	1.8	2.4	0.4	1.0	0	0	4.8				
REC	0	1.2	1.2	1.0	1.2	1.2	1.2	0	1.2	1.8	2.4	0.4	1.0	0	0	4.8				
REF. NO.	IC9413																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	4.7	4.8	0	4.8	0	4.8	0	4.8	0	4.8	1.0	4.8	4.8	0	4.8				
REC	0	4.7	4.8	0	4.8	0	4.8	0	4.8	0	4.8	1.0	4.8	4.8	0	4.8				
REF. NO.	IC9417																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	2.4	2.4	0	0	3.6	0	0	0	0	0	0	4.8	0	4.8						
REC	2.4	2.4	0	0	3.6	0	0	0	0	0	0	4.8	0	4.8						
REF. NO.	IC9419																			
MODE	1	2	3	4	5															
STOP	0	2.5	0	0	4.8															
REC	0	2.5	0	0	4.8															
REF. NO.	Q9401																			
MODE	E	C	B																	
STOP	−0.7	0.7	0																	
REC	−0.7	0.7	0																	

CHART
} Series.

YC REC-6 SCHEMATIC DIAGRAM 6/6 (E13: AG-8700 0NLY/Page CBA-6)


1
2
3
4
5
A
B
C
D
E
F
G
AGC_VIDEO (3)
EE_Y (5)
EE_COLOR_L (2,4)
REC_HSS (3,5)
REC_PALP (5)
P9501
VJS2907D018
EE_SW_L 18 CP9518
17
VITC_REC 16 CP9516
VITC_MUTE 15 CP9515
REC_PALP 14 CP9514
REC_FRM 13 CP9513
REC_HSS 12 CP9512
11
10
EE_COLOR_L 9 CP9509
LINE_Y 8 CP9508
GND 7
EE_Y 6 CP9506
5
4
AGC_LEV 3 CP9503
GND 2
AGC_VIDEO 1 CP9501
A12V
P9503
VJP1246T
A_GND 1
A5V 2
D5.5V 3
-5V 4
D_GND 5
A12V 6
REC_VY (3,5)
REC_SY (3,5)
DC (4,5)
WC (4,5)
EE_C (4,5)
EE_SIG_DET_L (3)
V_METER (3)
P9502
VJS2907D018
COLOR(L) 18 CP9538
A_COLOR_L 17
B/W(L) 16 CP9536
V_METER 15 CP9535
14
S_VIDEO(L) 13 CP9533
12
EE_SIG_DET_L 11 CP9531
4P_C 10 CP9530
GND 9
EE_C 8 CP9528
WC 7 CP9527
6
DC 5 CP9525
REC_SY 4 CP9524
GND 3
REC_VY 2 CP9522
1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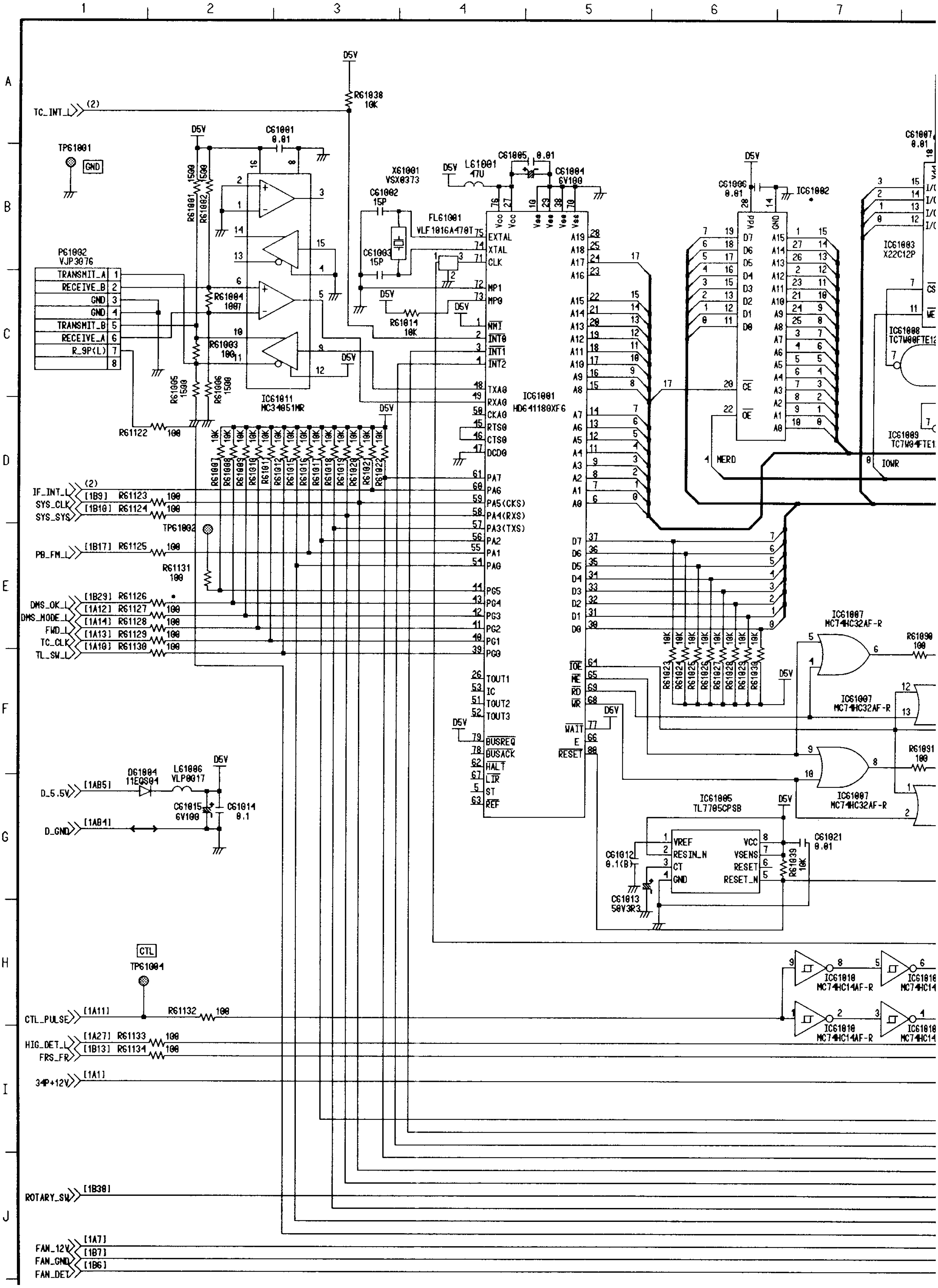
11
(3) EE_SW_L
(3) VITC_REC
(3,4) VITC_MUTE
(5) REC_FRM
(1,3) LINE_Y
(3) AGC_LEV
R9501
*PAT/J6
A5V
C9501
0.01/UFN
C9502
6V47/EVV
L9501
VLP0133-T
D5V
D9501
11EQS04
C9503
0.01/UFN
C9504
6V47/EVV
C9505
0.01/UFN
C9506
6V47/EVV
-5V
(4) COLOR_L
(4) B_W_L
(3,4) S_VIDEO_L
(4) 4P_C

Ref No.9501~9599 Series.

INTERFACE-1 SCHEMATIC DIAGRAM 1/6 (E9: Page CBA-11)


1
2
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4
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6
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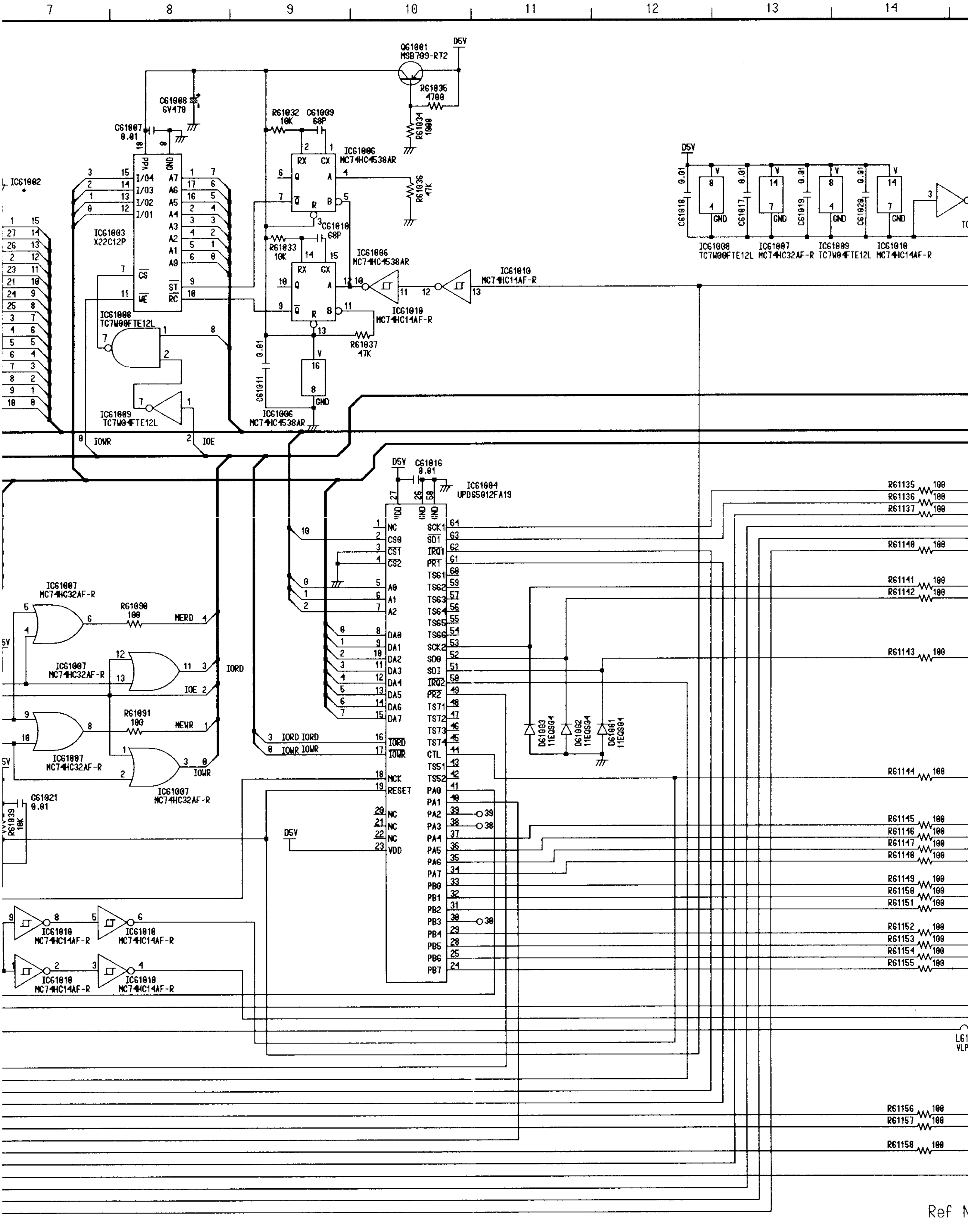
A
B
C
D
E
F
G
H
I
J
D5V
TC_INT_L (2)
R61038 10K
TP61001
GND
C61001 0.01
R61001 1500
R61002 1500
P61002 VJP3076
TRANSMIT_A 1
RECEIVE_B 2
GND 3
GND 4
TRANSMIT_B 5
RECEIVE_A 6
R_9P(L) 7
8
R61004 1007
R61003 100
R61005 1500
R61006 1500
IC61011 MC34051MR
R61122 100
X61001 VSX0373
C61002 15P
C61003 15P
FL61001 VLF1016A470T
L61001 47U
C61005 0.01
C61004 6V100
R61014 10K
IC61001 HD64118XF6
EXTAL
XTAL
CLK
MP1
MP0
NMI
INT0
INT1
INT2
TXA0
RXA0
CKA0
RTS0
CTS0
DCD0
PA7
PA6
PA5(CKS)
PA4(RXS)
PA3(TXS)
PA2
PA1
PA0
PG5
PG4
PG3
PG2
PG1
PG0
TOUT1
IC
TOUT2
TOUT3
BUSREQ
BUSACK
HALT
LIR
ST
REF
IOE
ME
RD
WR
WAIT
E
RESET
R61007–R61022 10K
IF_INT_L (2) [1B9] R61123 100
SYS_CLK [1B10] R61124 100
SYS_SYS
TP61002
PB_FM_L [1B17] R61125 100
R61131 100
DMS_OK_L [1B29] R61126
DMS_MODE_L [1A12] R61127 100
FWD_L [1A14] R61128 100
TC_CLK [1A13] R61129 100
TL_SW_L [1A10] R61130 100
D_5.5V [1AB5]
D61004 11EQS04
L61006 VLP0017
C61015 6V100
C61014 0.1
D_GND [1AB4]
CTL
TP61004
CTL_PULSE [1A11] R61132 100
HIG_DET_L [1A27] R61133 100
FRS_FR [1B13] R61134 100
34P+12V [1A1]
ROTARY_SW [1B30]
FAN_12V [1A7]
FAN_GND [1B7]
FAN_DET [1B6]
IC61002
C61006 0.01
Vdd
GND
OE
CE
MERD
IOWR
C61007 0.01
IC61003 X22C12P
IC61008 TC7W00FTE12
IC61009 TC7W04FTE1
R61023–R61030 10K
IC61007 MC74HC32AF-R
R61090 100
R61091 100
IC61005 TL7705CPSB
VREF
RESIN_N
CT
GND
VCC
VSENS
RESET
RESET_N
C61012 0.1(B)
C61013 50V3R3
R61039 10K
C61021 0.01
IC61010 MC74HC14AF-R



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14
Q61001
MSB709-RT2
D5V
R61035
4700
R61034
1000
C61008
6V470
C61007
0.01
R61032
10K
C61009
68P
IC61006
MC74HC4538AR
R61036
47K
C61010
68P
R61033
10K
IC61006
MC74HC4538AR
IC61010
MC74HC14AF-R
IC61010
MC74HC14AF-R
R61037
47K
C61011
0.01
IC61006
MC74HC4538AR
IC61002
IC61003
X22C12P
Vpp
GND
I/O4
I/O3
I/O2
I/O1
A7
A6
A5
A4
A3
A2
A1
A0
CS
WE
ST
RC
IC61008
TC7W00FTE12L
IC61009
TC7W04FTE12L
IOWR
IOE
D5V
C61018
0.01
C61017
0.01
C61019
0.01
C61020
0.01
IC61008
TC7W00FTE12L
IC61007
MC74HC32AF-R
IC61009
TC7W04FTE12L
IC61010
MC74HC14AF-R
D5V
C61016
0.01
IC61004
UPD65012FA19
VDD
GND
NC
CS0
CS1
CS2
A0
A1
A2
DA0
DA1
DA2
DA3
DA4
DA5
DA6
DA7
IORD
IOWR
MCK
RESET
NC
NC
NC
VDD
SCK1
SDI
IRQ1
PRT
TS61
TS62
TS63
TS64
TS65
TS66
SCK2
SD0
SDI
IRQ2
PR2
TST1
TST2
TST3
TST4
CTL
TS51
TS52
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
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11EQS04
D61002
11EQS04
D61001
11EQS04
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IC61007
MC74HC32AF-R
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IOE
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MEWR
IC61007
MC74HC32AF-R
IC61007
MC74HC32AF-R
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R61039
10K
D5V
IC61010
MC74HC14AF-R
IC61010
MC74HC14AF-R
IC61010
MC74HC14AF-R
IC61010
MC74HC14AF-R
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R61136 100
R61137 100
R61140 100
R61141 100
R61142 100
R61143 100
R61144 100
R61145 100
R61146 100
R61147 100
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R61150 100
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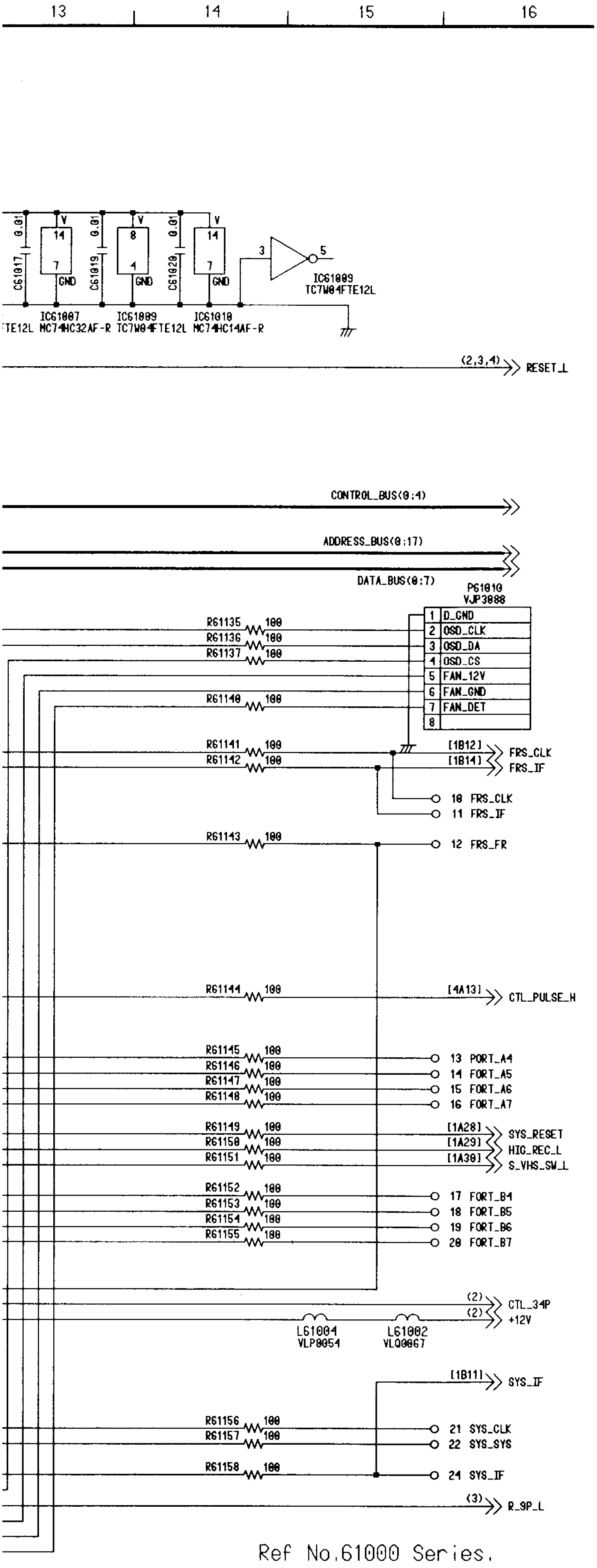
R61158 100
L61
VLP
Ref N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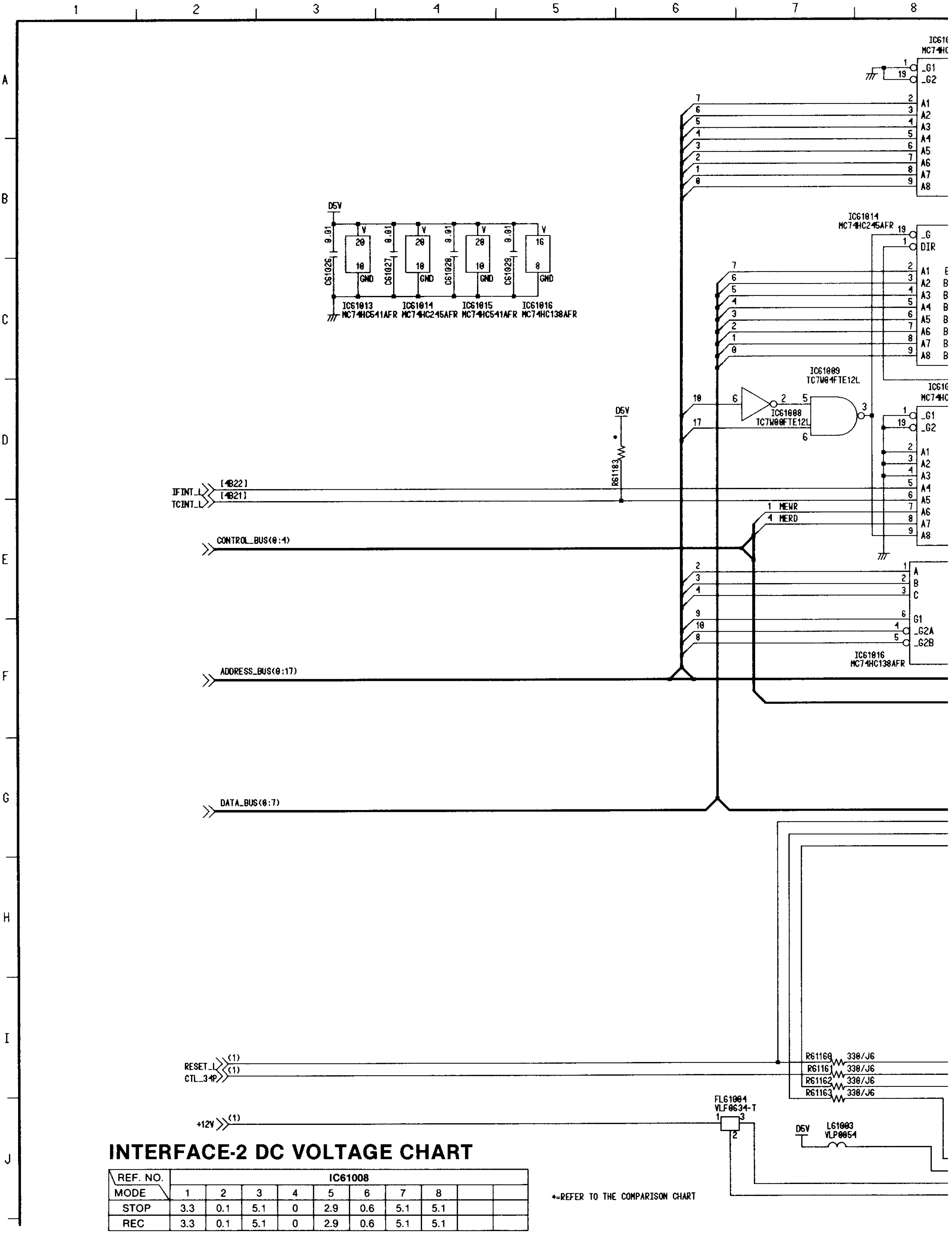
14
15
16
0.01
C61017
0.01
C61019
0.01
C61020
V
14
7
GND
V
8
4
GND
V
14
7
GND
IC61007
MC74HC32AF-R
IC61009
TC7W04FTE12L
IC61010
MC74HC14AF-R
3
5
IC61009
TC7W04FTE12L
(2,3,4)
RESET_L
CONTROL_BUS(0:4)
ADDRESS_BUS(0:17)
DATA_BUS(0:7)
P61010
VJP3088
1 D_GND
2 OSD_CLK
3 OSD_DA
4 OSD_CS
5 FAN_12V
6 FAN_GND
7 FAN_DET
8
R61135 100
R61136 100
R61137 100
R61140 100
R61141 100
R61142 100
[1B12] FRS_CLK
[1B14] FRS_IF
10 FRS_CLK
11 FRS_IF
R61143 100
12 FRS_FR
R61144 100
[4A13] CTL_PULSE_H
R61145 100
R61146 100
R61147 100
R61148 100
13 PORT_A4
14 FORT_A5
15 FORT_A6
16 FORT_A7
R61149 100
R61150 100
R61151 100
[1A28] SYS_RESET
[1A29] HIG_REC_L
[1A30] S_VHS_SW_L
R61152 100
R61153 100
R61154 100
R61155 100
17 FORT_B4
18 FORT_B5
19 FORT_B6
20 FORT_B7
(2) CTL_34P
(2) +12V
L61004
VLP0054
L61002
VLQ0067
[1B11] SYS_IF
R61156 100
R61157 100
21 SYS_CLK
22 SYS_SYS
R61158 100
24 SYS_IF
(3) R_9P_L
Ref No.61000 Series.

INTERFACE-1 DC VOLTAGE CHART

REF. NO.	IC61002									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0.7	1.8	3.4	2.5	2.8	2.5	2.6	2.7	2.7	2.6
REC	0.7	1.8	3.4	2.5	2.8	2.5	2.6	2.7	2.7	2.6
REF. NO.	IC61002									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	2.1	2.7	2.1	0	2.8	1.9	2.5	1.9	2.0	0.6
REC	2.1	2.7	2.1	0	2.8	1.9	2.5	1.9	2.0	0.6
REF. NO.	IC61002									
MODE	21	22	23	24	25	26	27	28		
STOP	2.1	2.1	1.0	3.6	3.3	0.7	0.8	5.1		
REC	2.1	2.1	1.0	3.6	3.3	0.7	0.8	5.1		
REF. NO.	IC61003									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	3.4	2.5	2.6	2.6	2.7	2.6	5.1	0	5.1	5.1
REC	3.4	2.5	2.6	2.6	2.7	2.6	5.1	0	5.1	5.1
REF. NO.	IC61003									
MODE	11	12	13	14	15	16	17	18		
STOP	5.1	2.1	2.8	2.0	2.8	2.8	2.5	5.1		
REC	5.1	2.1	2.8	2.0	2.8	2.8	2.5	5.1		
REF. NO.	IC61005									
MODE	1	2	3	4	5	6	7	8		
STOP	2.5	5.1	3.1	0	5.1	0	5.1	5.1		
REC	2.5	5.1	3.1	0	5.1	0	5.1	5.1		
REF. NO.	IC61008									
MODE	1	2	3	4	5	6	7	8		
STOP	3.3	0.1	5.1	0	2.9	0.6	5.1	5.1		
REC	3.3	0.1	5.1	0	2.9	0.6	5.1	5.1		
REF. NO.	IC61011									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0	0.1	0	4.5	2.6	2.4	0	5.0	3.3
REC	0	0	0.1	0	4.5	2.6	2.4	0	5.0	3.3
REF. NO.	IC61011									
MODE	11	12	13	14	15	16				
STOP	0.3	5.1	0.2	0.2	0	5.1				
REC	0.3	5.1	0.2	0.2	0	5.1				
REF. NO.	Q61001									
MODE	E	C	B							
STOP	5.1	5.1	4.3							
REC	5.1	5.1	4.3							

INTERFACE-2 SCHEMATIC DIAGRAM 2/6 (E9: Page CBA-11)



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7
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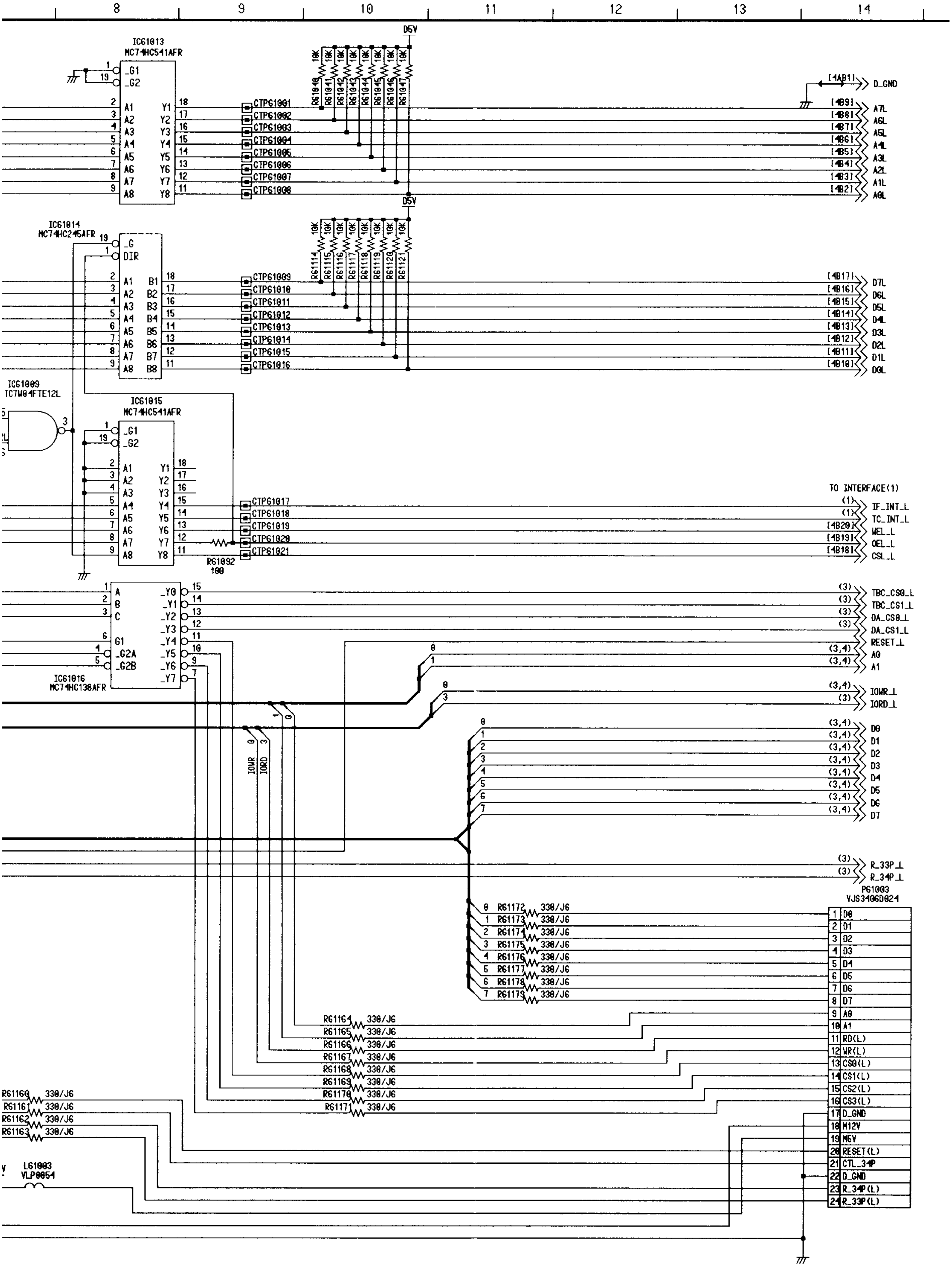
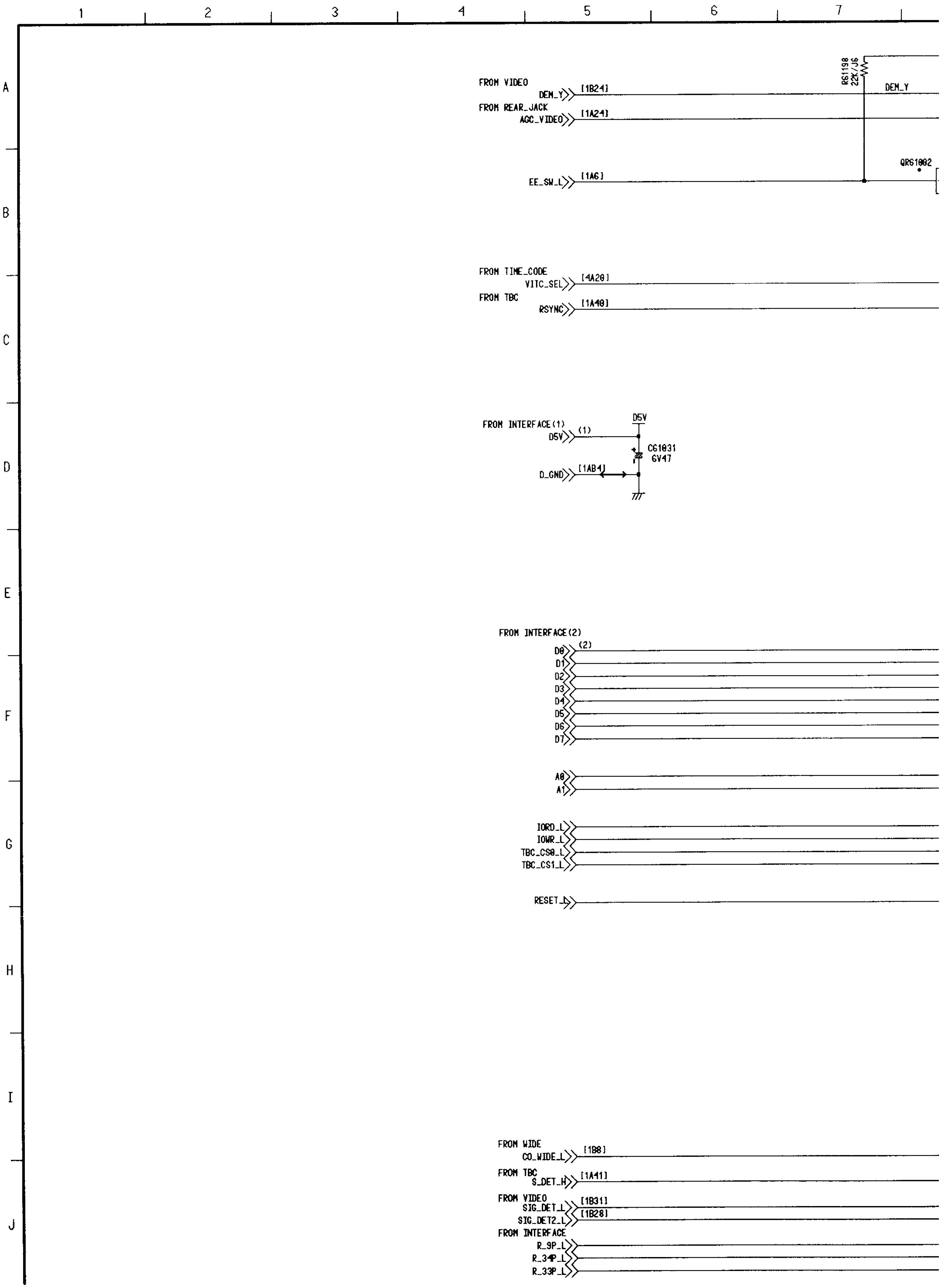
A
B
C
D
E
F
G
H
I
J
D5V
C61026 0.01
C61027 0.01
C61028 0.01
C61029 0.01
IC61013 MC74HC541AFR
IC61014 MC74HC245AFR
IC61015 MC74HC541AFR
IC61016 MC74HC138AFR
V
GND
IC61014 MC74HC245AFR
_G
DIR
A1
A2
A3
A4
A5
A6
A7
A8
_G1
_G2
IC61009 TC7W04FTE12L
IC61008 TC7W00FTE12L
R61183
IFINT_L [4B22]
TCINT_L [4B21]
1 MEWR
4 MERD
CONTROL_BUS(0:4)
ADDRESS_BUS(0:17)
DATA_BUS(0:7)
A
B
C
G1
_G2A
_G2B
IC61016 MC74HC138AFR
RESET_L (1)
CTL_34P (1)
+12V (1)
R61160 330/J6
R61161 330/J6
R61162 330/J6
R61163 330/J6
FL61004 VLF0634-T
D5V
L61003 VLP0054
*=REFER TO THE COMPARISON CHART

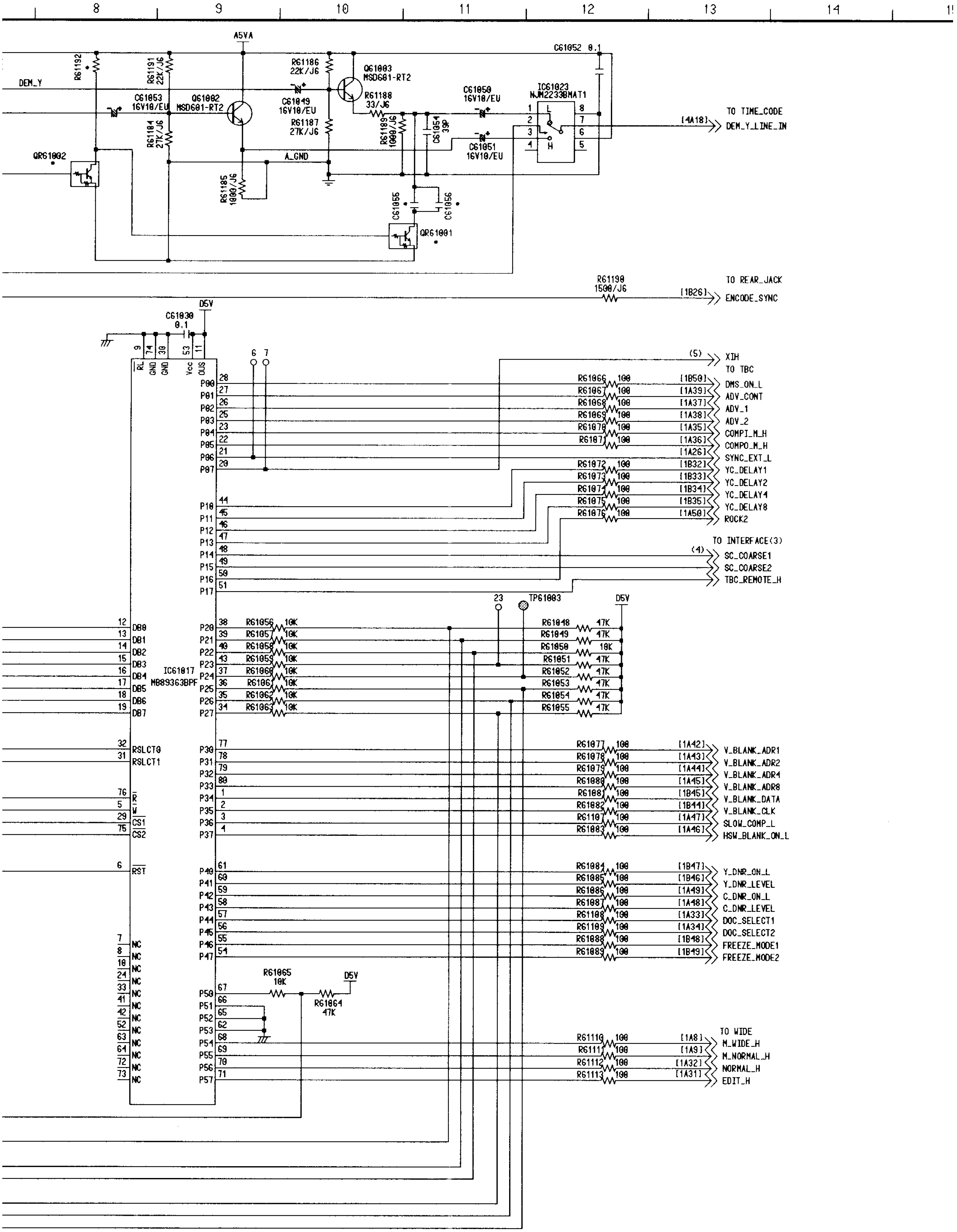
INTERFACE-2 DC VOLTAGE CHART

REF. NO.	IC61008									
MODE	1	2	3	4	5	6	7	8		
STOP	3.3	0.1	5.1	0	2.9	0.6	5.1	5.1		
REC	3.3	0.1	5.1	0	2.9	0.6	5.1	5.1		


8
9
10
11
12
13
14
D5V
IC61013
MC74HC541AFR
_G1
_G2
A1 A2 A3 A4 A5 A6 A7 A8
Y1 Y2 Y3 Y4 Y5 Y6 Y7 Y8
CTP61001
CTP61002
CTP61003
CTP61004
CTP61005
CTP61006
CTP61007
CTP61008
10K
R61040 R61041 R61042 R61043 R61044 R61045 R61046 R61047
[4AB1] D_GND
[4B9] A7L
[4B8] A6L
[4B7] A5L
[4B6] A4L
[4B5] A3L
[4B4] A2L
[4B3] A1L
[4B2] A0L
IC61014
MC74HC245AFR
_G
DIR
B1 B2 B3 B4 B5 B6 B7 B8
CTP61009
CTP61010
CTP61011
CTP61012
CTP61013
CTP61014
CTP61015
CTP61016
R61114 R61115 R61116 R61117 R61118 R61119 R61120 R61121
[4B17] D7L
[4B16] D6L
[4B15] D5L
[4B14] D4L
[4B13] D3L
[4B12] D2L
[4B11] D1L
[4B10] D0L
IC61009
TC7W04FTE12L
IC61015
MC74HC541AFR
CTP61017
CTP61018
CTP61019
CTP61020
CTP61021
R61092
100
TO INTERFACE(1)
(1) IF_INT_L
(1) TC_INT_L
[4B20] WEL_L
[4B19] OEL_L
[4B18] CSL_L
A B C G1 _G2A _G2B
_Y0 _Y1 _Y2 _Y3 _Y4 _Y5 _Y6 _Y7
IC61016
MC74HC138AFR
(3) TBC_CS0_L
(3) TBC_CS1_L
(3) DA_CS0_L
(3) DA_CS1_L
RESET_L
(3,4) A0
(3,4) A1
(3,4) IOWR_L
(3) IORD_L
IOWR
IORD
(3,4) D0
(3,4) D1
(3,4) D2
(3,4) D3
(3,4) D4
(3,4) D5
(3,4) D6
(3,4) D7
(3) R_33P_L
(3) R_34P_L
P61003
VJS3406D024
R61172 330/J6
R61173 330/J6
R61174 330/J6
R61175 330/J6
R61176 330/J6
R61177 330/J6
R61178 330/J6
R61179 330/J6
R61164 330/J6
R61165 330/J6
R61166 330/J6
R61167 330/J6
R61168 330/J6
R61169 330/J6
R61170 330/J6
R61171 330/J6
R61160 330/J6
R61161 330/J6
R61162 330/J6
R61163 330/J6
L61003
VLP0054
1 D0
2 D1
3 D2
4 D3
5 D4
6 D5
7 D6
8 D7
9 A0
10 A1
11 RD(L)
12 WR(L)
13 CS0(L)
14 CS1(L)
15 CS2(L)
16 CS3(L)
17 D_GND
18 M12V
19 M5V
20 RESET(L)
21 CTL_34P
22 D_GND
23 R_34P(L)
24 R_33P(L)

INTERFACE-3 SCHEMATIC DIAGRAM 3/6 (E9: Page CBA-11)


1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
I
J
FROM VIDEO
DEM_Y
[1B24]
FROM REAR_JACK
AGC_VIDEO
[1A24]
R61198
22K/J6
DEM_Y
QR61002
EE_SW_L
[1A6]
FROM TIME_CODE
VITC_SEL
[4A20]
FROM TBC
RSYNC
[1A40]
D5V
FROM INTERFACE(1)
D5V
(1)
C61031
6V47
D_GND
[1AB4]
FROM INTERFACE(2)
D0
(2)
D1
D2
D3
D4
D5
D6
D7
A0
A1
IORD_L
IOWR_L
TBC_CS0_L
TBC_CS1_L
RESET_L
FROM WIDE
CO_WIDE_L
[1B8]
FROM TBC
S_DET_H
[1A41]
FROM VIDEO
SIG_DET_L
[1B31]
SIG_DET2_L
[1B28]
FROM INTERFACE
R_9P_L
R_34P_L
R_33P_L



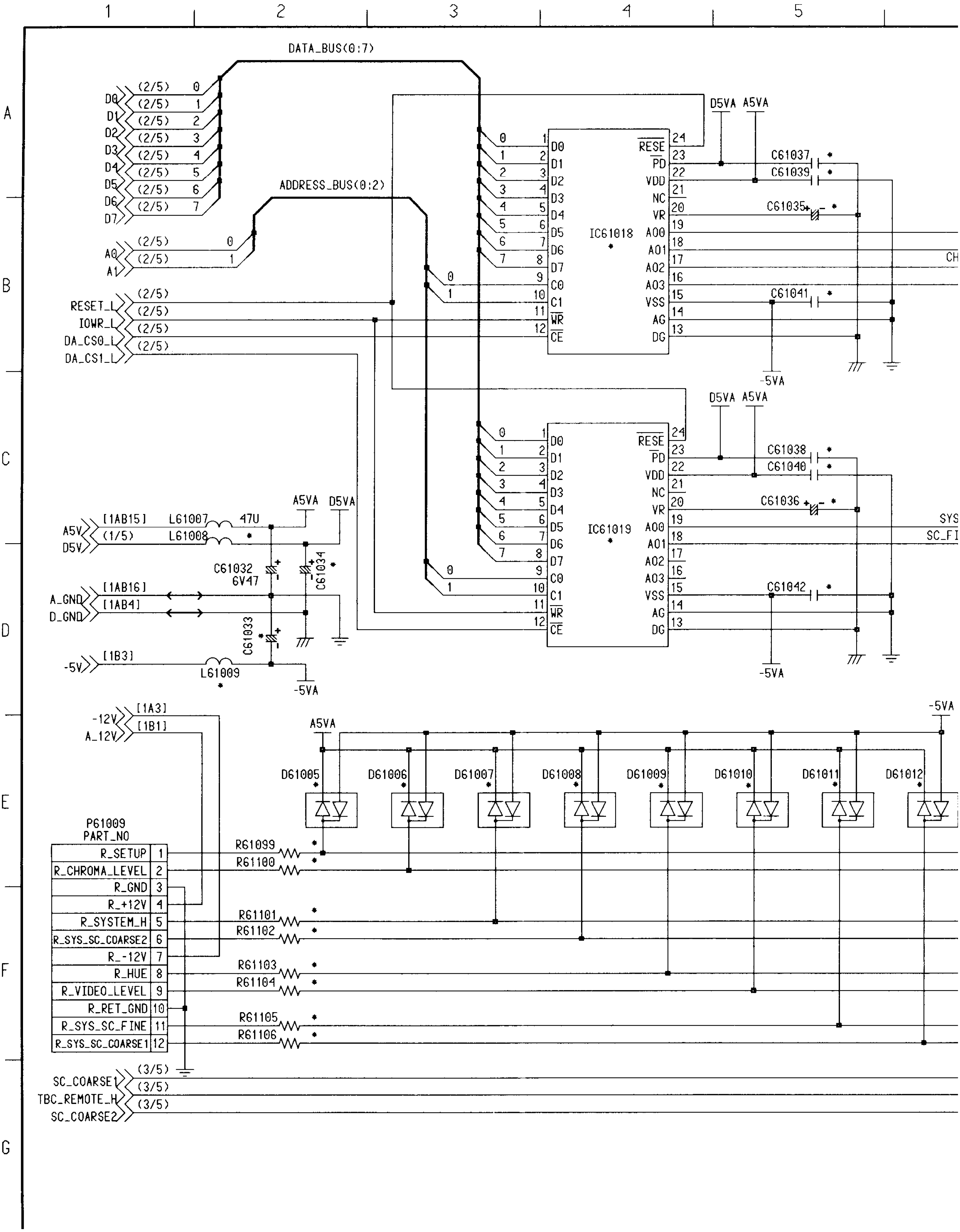
8
9
10
11
12
13
14
A5VA
C61052 0.1
R61192
R61191 22K/J6
DEM_Y
R61186 22K/J6
Q61003 MSD601-RT2
C61053 16V10/EU
Q61002 MSD601-RT2
C61049 16V10/EU
R61188 33/J6
C61050 16V10/EU
IC61023 NJM2233BMAT1
R61184 27K/J6
R61187 27K/J6
R61189 1000/J6
C61054 39P
C61051 16V10/EU
QR61002
A_GND
R61185 1000/J6
[4A18]
TO TIME_CODE
DEM_Y_LINE_IN
C61055
C61056
QR61001
R61190 1500/J6
[1B26]
TO REAR_JACK
ENCODE_SYNC
D5V
C61030 0.1
RL
GND
GND
Vcc
DVS
IC61017
MB89363BPF
(5)
XIH
TO TBC
R61066 100 [1B50] DMS_ON_L
R61067 100 [1A39] ADV_CONT
R61068 100 [1A37] ADV_1
R61069 100 [1A38] ADV_2
R61070 100 [1A35] COMPI_M_H
R61071 100 [1A36] COMPO_M_H
[1A26] SYNC_EXT_L
R61072 100 [1B32] YC_DELAY1
R61073 100 [1B33] YC_DELAY2
R61074 100 [1B34] YC_DELAY4
R61075 100 [1B35] YC_DELAY8
R61076 100 [1A50] ROCK2
TO INTERFACE(3)
(4) SC_COARSE1
SC_COARSE2
TBC_REMOTE_H
23
TP61003
R61056 10K
R61057 10K
R61058 10K
R61059 10K
R61060 10K
R61061 10K
R61062 10K
R61063 10K
R61048 47K
R61049 47K
R61050 10K
R61051 47K
R61052 47K
R61053 47K
R61054 47K
R61055 47K
DB0 DB1 DB2 DB3 DB4 DB5 DB6 DB7
RSLCT0
RSLCT1
R
W
CS1
CS2
RST
NC
P00 P01 P02 P03 P04 P05 P06 P07
P10 P11 P12 P13 P14 P15 P16 P17
P20 P21 P22 P23 P24 P25 P26 P27
P30 P31 P32 P33 P34 P35 P36 P37
P40 P41 P42 P43 P44 P45 P46 P47
P50 P51 P52 P53 P54 P55 P56 P57
R61077 100 [1A42] V_BLANK_ADR1
R61078 100 [1A43] V_BLANK_ADR2
R61079 100 [1A44] V_BLANK_ADR4
R61080 100 [1A45] V_BLANK_ADR8
R61081 100 [1B45] V_BLANK_DATA
R61082 100 [1B44] V_BLANK_CLK
R61107 100 [1A47] SLOW_COMP_L
R61083 100 [1A46] HSW_BLANK_ON_L
R61084 100 [1B47] Y_DNR_ON_L
R61085 100 [1B46] Y_DNR_LEVEL
R61086 100 [1A49] C_DNR_ON_L
R61087 100 [1A48] C_DNR_LEVEL
R61108 100 [1A33] DOC_SELECT1
R61109 100 [1A34] DOC_SELECT2
R61088 100 [1B48] FREEZE_MODE1
R61089 100 [1B49] FREEZE_MODE2
R61065 10K
R61064 47K
TO WIDE
R61110 100 [1A8] M_WIDE_H
R61111 100 [1A9] M_NORMAL_H
R61112 100 [1A32] NORMAL_H
R61113 100 [1A31] EDIT_H

Ref No.610

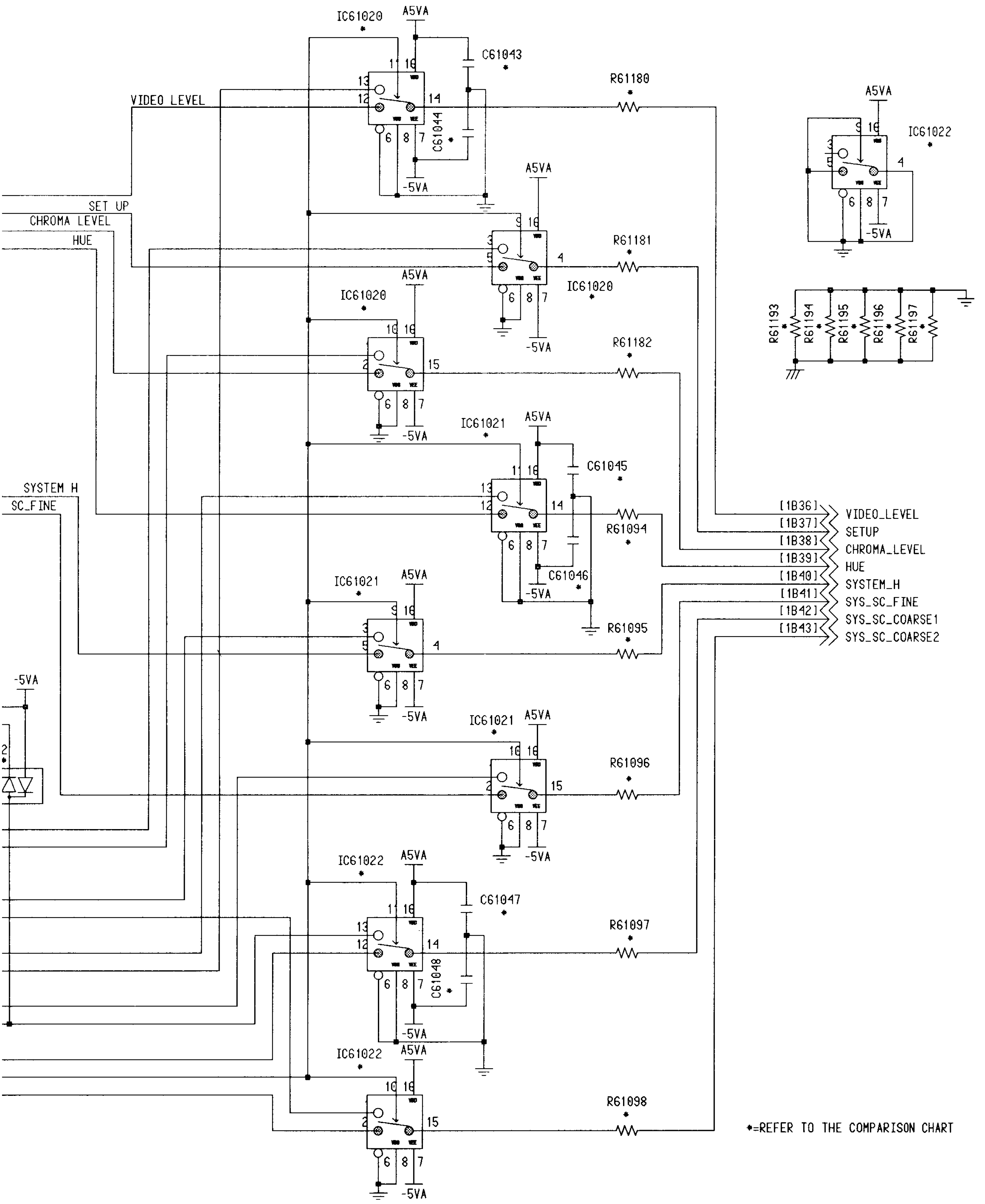
INTERFACE-3 DC VOLTAGE CHART

REF. NO.	IC61017									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	5.1	5.1	0	5.1	5.1	5.1	0	0	0	0
REC	5.1	5.1	0	5.1	5.1	5.1	0	0	0	0
REF. NO.	IC61017									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	5.1	2.1	2.8	2.1	2.8	1.9	2.5	1.9	2.0	0
REC	5.1	2.1	2.8	2.1	2.8	1.9	2.5	1.9	2.0	0
REF. NO.	IC61017									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	5.1	5.1	5.1	0	5.1	5.1	5.1	0	5.1	0
REC	5.1	5.1	5.1	0	5.1	5.1	5.1	0	5.1	0
REF. NO.	IC61017									
MODE	31	32	33	34	35	36	37	38	39	40
STOP	2.7	2.6	0	0	5.0	5.0	5.0	5.0	0	0.2
REC	2.7	2.6	0	0	5.1	5.1	5.1	5.0	0	0.2
REF. NO.	IC61017									
MODE	41	42	43	44	45	46	47	48	49	50
STOP	0	0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	0
REC	0	0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	0
REF. NO.	IC61017									
MODE	51	52	53	54	55	56	57	58	59	60
STOP	5.1	0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
REC	5.1	0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
REF. NO.	IC61017									
MODE	61	62	63	64	65	66	67	68	69	70
STOP	5.1	0	0	0	0	0	4.9	0	0	0
REC	5.1	0	0	0	0	0	4.9	0	0	0
REF. NO.	IC61017									
MODE	71	72	73	74	75	76	77	78	79	80
STOP	5.0	0	0	0	5.1	5.1	5.1	5.1	5.1	5.1
REC	5.0	0	0	0	5.1	5.1	5.1	5.1	5.1	5.1
REF. NO.	IC61023									
MODE	1	2	3	4	5	6	7	8		
STOP	2.9	0	3.0	0	0	5.0	2.2	0		
REC	2.9	0	3.0	0	0	5.0	2.2	0		
REF. NO.	Q61002			Q61003						
MODE	E	C	B	E	C	B				
STOP	2.0	5.0	2.7	2.0	5.0	2.6				
REC	2.0	5.0	2.7	2.0	5.0	2.6				

INTERFACE-4 SCHEMATIC DIAGRAM 4/6 (E9: Page CBA-11)

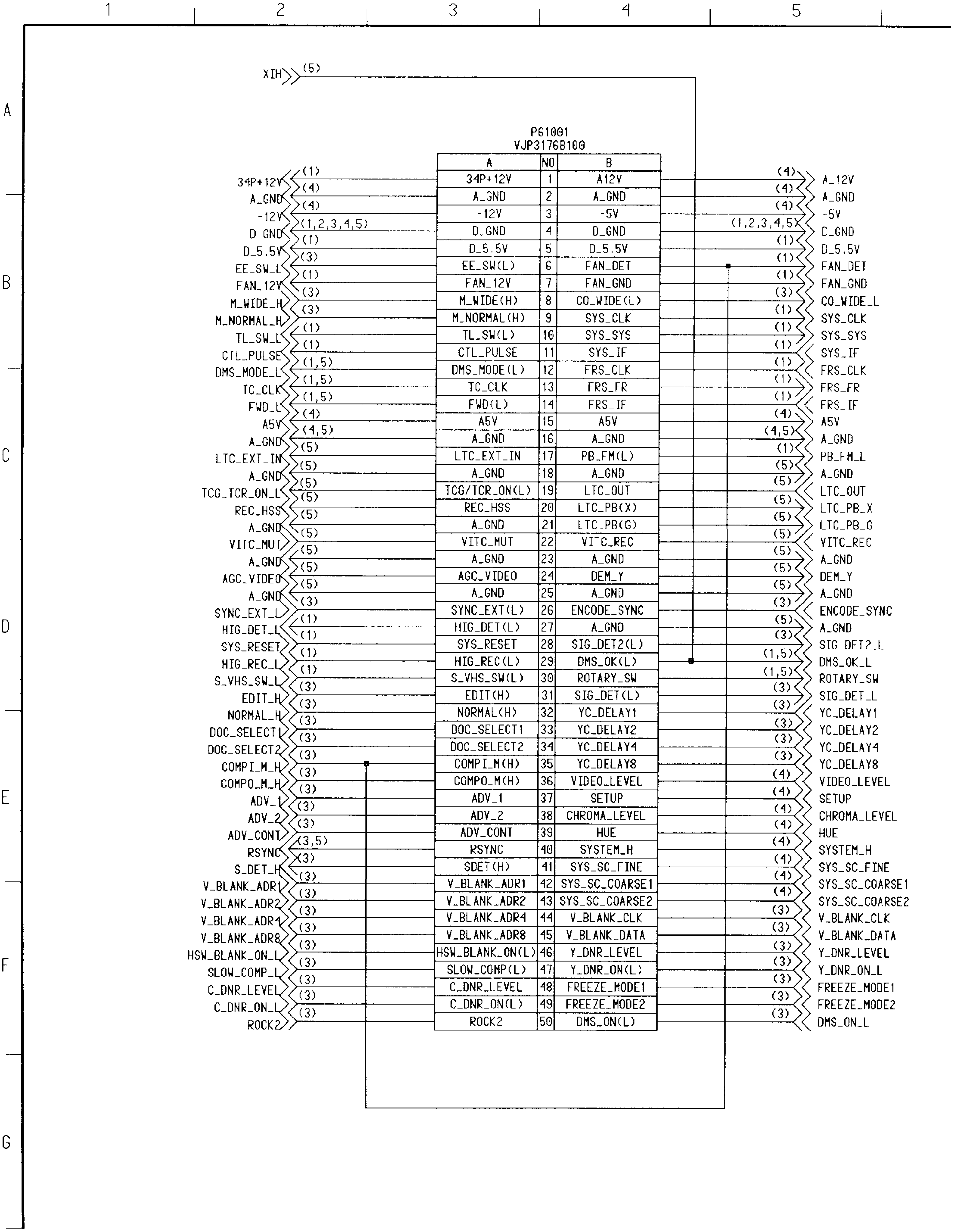


1
2
3
4
5
A
B
C
D
E
F
G
DATA_BUS(0:7)
ADDRESS_BUS(0:2)
D0
D1
D2
D3
D4
D5
D6
D7
(2/5)
A0
A1
RESET_L
IOWR_L
DA_CS0_L
DA_CS1_L
IC61018
IC61019
RESE
PD
VDD
NC
VR
A00
A01
A02
A03
VSS
AG
DG
C0
C1
WR
CE
D5VA
A5VA
-5VA
C61037
C61039
C61035
C61041
C61038
C61040
C61036
C61042
CH
SYS
SC_FI
A5V
D5V
[1AB15]
(1/5)
L61007
L61008
47U
C61032
6V47
C61034
C61033
A_GND
D_GND
[1AB16]
[1AB4]
-5V
[1B3]
L61009
-12V
A_12V
[1A3]
[1B1]
D61005
D61006
D61007
D61008
D61009
D61010
D61011
D61012
P61009
PART_NO
R_SETUP 1
R_CHROMA_LEVEL 2
R_GND 3
R_+12V 4
R_SYSTEM_H 5
R_SYS_SC_COARSE2 6
R_-12V 7
R_HUE 8
R_VIDEO_LEVEL 9
R_RET_GND 10
R_SYS_SC_FINE 11
R_SYS_SC_COARSE1 12
R61099
R61100
R61101
R61102
R61103
R61104
R61105
R61106
(3/5)
SC_COARSE1
TBC_REMOTE_H
SC_COARSE2

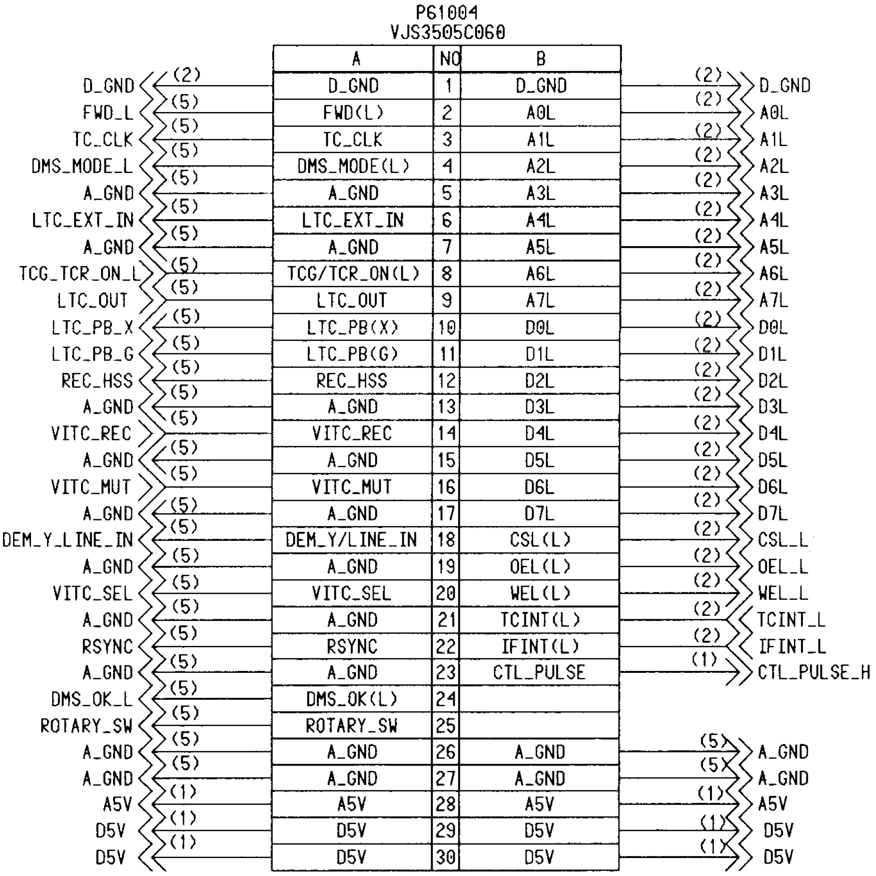

IC61020
A5VA
C61043
R61180
VIDEO LEVEL
C61044
-5VA
IC61022
SET UP
CHROMA LEVEL
HUE
R61181
IC61020
R61182
R61193
R61194
R61195
R61196
R61197
IC61021
C61045
SYSTEM H
SC_FINE
R61094
C61046
R61095
[1B36] VIDEO_LEVEL
[1B37] SETUP
[1B38] CHROMA_LEVEL
[1B39] HUE
[1B40] SYSTEM_H
[1B41] SYS_SC_FINE
[1B42] SYS_SC_COARSE1
[1B43] SYS_SC_COARSE2
R61096
C61047
C61048
R61097
R61098

*=REFER TO THE COMPARISON CHART

INTERFACE-5 SCHEMATIC DIAGRAM 5/6 (E9: Page CBA-11)



1
2
3
4
5
A
B
C
D
E
F
G
XIH (5)
P61001
VJP3176B100
A NO B
34P+12V (1) 34P+12V 1 A12V (4) A_12V
A_GND (4) A_GND 2 A_GND (4) A_GND
-12V (4) -12V 3 -5V (4) -5V
D_GND (1,2,3,4,5) D_GND 4 D_GND (1,2,3,4,5) D_GND
D_5.5V (1) D_5.5V 5 D_5.5V (1) D_5.5V
EE_SW_L (3) EE_SW(L) 6 FAN_DET (1) FAN_DET
FAN_12V (1) FAN_12V 7 FAN_GND (1) FAN_GND
M_WIDE_H (3) M_WIDE(H) 8 CO_WIDE(L) (3) CO_WIDE_L
M_NORMAL_H (3) M_NORMAL(H) 9 SYS_CLK (1) SYS_CLK
TL_SW_L (1) TL_SW(L) 10 SYS_SYS (1) SYS_SYS
CTL_PULSE (1) CTL_PULSE 11 SYS_IF (1) SYS_IF
DMS_MODE_L (1,5) DMS_MODE(L) 12 FRS_CLK (1) FRS_CLK
TC_CLK (1,5) TC_CLK 13 FRS_FR (1) FRS_FR
FWD_L (1,5) FWD(L) 14 FRS_IF (1) FRS_IF
A5V (4) A5V 15 A5V (4) A5V
A_GND (4,5) A_GND 16 A_GND (4,5) A_GND
LTC_EXT_IN (5) LTC_EXT_IN 17 PB_FM(L) (1) PB_FM_L
A_GND (5) A_GND 18 A_GND (5) A_GND
TCG_TCR_ON_L (5) TCG/TCR_ON(L) 19 LTC_OUT (5) LTC_OUT
REC_HSS (5) REC_HSS 20 LTC_PB(X) (5) LTC_PB_X
A_GND (5) A_GND 21 LTC_PB(G) (5) LTC_PB_G
VITC_MUT (5) VITC_MUT 22 VITC_REC (5) VITC_REC
A_GND (5) A_GND 23 A_GND (5) A_GND
AGC_VIDEO (5) AGC_VIDEO 24 DEM_Y (5) DEM_Y
A_GND (5) A_GND 25 A_GND (5) A_GND
SYNC_EXT_L (3) SYNC_EXT(L) 26 ENCODE_SYNC (3) ENCODE_SYNC
HIG_DET_L (1) HIG_DET(L) 27 A_GND (5) A_GND
SYS_RESET (1) SYS_RESET 28 SIG_DET2(L) (3) SIG_DET2_L
HIG_REC_L (1) HIG_REC(L) 29 DMS_OK(L) (1,5) DMS_OK_L
S_VHS_SW_L (1) S_VHS_SW(L) 30 ROTARY_SW (1,5) ROTARY_SW
EDIT_H (3) EDIT(H) 31 SIG_DET(L) (3) SIG_DET_L
NORMAL_H (3) NORMAL(H) 32 YC_DELAY1 (3) YC_DELAY1
DOC_SELECT1 (3) DOC_SELECT1 33 YC_DELAY2 (3) YC_DELAY2
DOC_SELECT2 (3) DOC_SELECT2 34 YC_DELAY4 (3) YC_DELAY4
COMPI_M_H (3) COMPI_M(H) 35 YC_DELAY8 (3) YC_DELAY8
COMPO_M_H (3) COMPO_M(H) 36 VIDEO_LEVEL (4) VIDEO_LEVEL
ADV_1 (3) ADV_1 37 SETUP (4) SETUP
ADV_2 (3) ADV_2 38 CHROMA_LEVEL (4) CHROMA_LEVEL
ADV_CONT (3) ADV_CONT 39 HUE (4) HUE
RSYNC (3,5) RSYNC 40 SYSTEM_H (4) SYSTEM_H
S_DET_H (3) SDET(H) 41 SYS_SC_FINE (4) SYS_SC_FINE
V_BLANK_ADR1 (3) V_BLANK_ADR1 42 SYS_SC_COARSE1 (4) SYS_SC_COARSE1
V_BLANK_ADR2 (3) V_BLANK_ADR2 43 SYS_SC_COARSE2 (4) SYS_SC_COARSE2
V_BLANK_ADR4 (3) V_BLANK_ADR4 44 V_BLANK_CLK (3) V_BLANK_CLK
V_BLANK_ADR8 (3) V_BLANK_ADR8 45 V_BLANK_DATA (3) V_BLANK_DATA
HSW_BLANK_ON_L (3) HSW_BLANK_ON(L) 46 Y_DNR_LEVEL (3) Y_DNR_LEVEL
SLOW_COMP_L (3) SLOW_COMP(L) 47 Y_DNR_ON(L) (3) Y_DNR_ON_L
C_DNR_LEVEL (3) C_DNR_LEVEL 48 FREEZE_MODE1 (3) FREEZE_MODE1
C_DNR_ON_L (3) C_DNR_ON(L) 49 FREEZE_MODE2 (3) FREEZE_MODE2
ROCK2 (3) ROCK2 50 DMS_ON(L) (3) DMS_ON_L



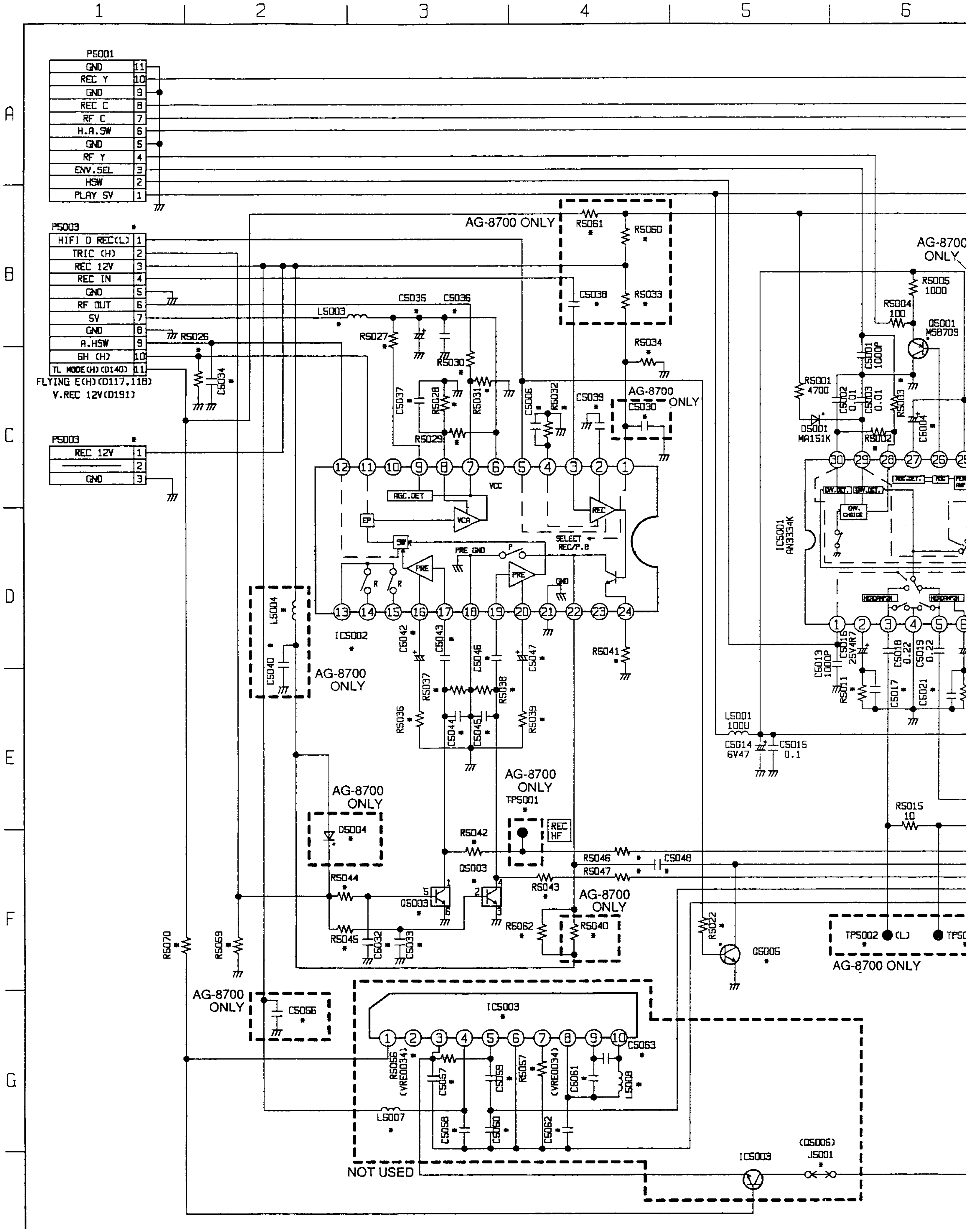
Signal	Ref	A	NO	B	Ref	Signal
D_GND	(2)	D_GND	1	D_GND	(2)	D_GND
FWD_L	(5)	FWD(L)	2	A0L	(2)	A0L
TC_CLK	(5)	TC_CLK	3	A1L	(2)	A1L
DMS_MODE_L	(5)	DMS_MODE(L)	4	A2L	(2)	A2L
A_GND	(5)	A_GND	5	A3L	(2)	A3L
LTC_EXT_IN	(5)	LTC_EXT_IN	6	A4L	(2)	A4L
A_GND	(5)	A_GND	7	A5L	(2)	A5L
TCG_TCR_ON_L	(5)	TCG/TCR_ON(L)	8	A6L	(2)	A6L
LTC_OUT	(5)	LTC_OUT	9	A7L	(2)	A7L
LTC_PB_X	(5)	LTC_PB(X)	10	D0L	(2)	D0L
LTC_PB_G	(5)	LTC_PB(G)	11	D1L	(2)	D1L
REC_HSS	(5)	REC_HSS	12	D2L	(2)	D2L
A_GND	(5)	A_GND	13	D3L	(2)	D3L
VITC_REC	(5)	VITC_REC	14	D4L	(2)	D4L
A_GND	(5)	A_GND	15	D5L	(2)	D5L
VITC_MUT	(5)	VITC_MUT	16	D6L	(2)	D6L
A_GND	(5)	A_GND	17	D7L	(2)	D7L
DEM_Y_LINE_IN	(5)	DEM_Y/LINE_IN	18	CSL(L)	(2)	CSL_L
A_GND	(5)	A_GND	19	OEL(L)	(2)	OEL_L
VITC_SEL	(5)	VITC_SEL	20	WEL(L)	(2)	WEL_L
A_GND	(5)	A_GND	21	TCINT(L)	(2)	TCINT_L
RSYNC	(5)	RSYNC	22	IFINT(L)	(2)	IFINT_L
A_GND	(5)	A_GND	23	CTL_PULSE	(1)	CTL_PULSE_H
DMS_OK_L	(5)	DMS_OK(L)	24			
ROTARY_SW	(5)	ROTARY_SW	25			
A_GND	(5)	A_GND	26	A_GND	(5)	A_GND
A_GND	(5)	A_GND	27	A_GND	(5)	A_GND
A5V	(1)	A5V	28	A5V	(1)	A5V
D5V	(1)	D5V	29	D5V	(1)	D5V
D5V	(1)	D5V	30	D5V	(1)	D5V

INTERFACE COMPARISON CHART 6/6 (E9: Page CBA-11)

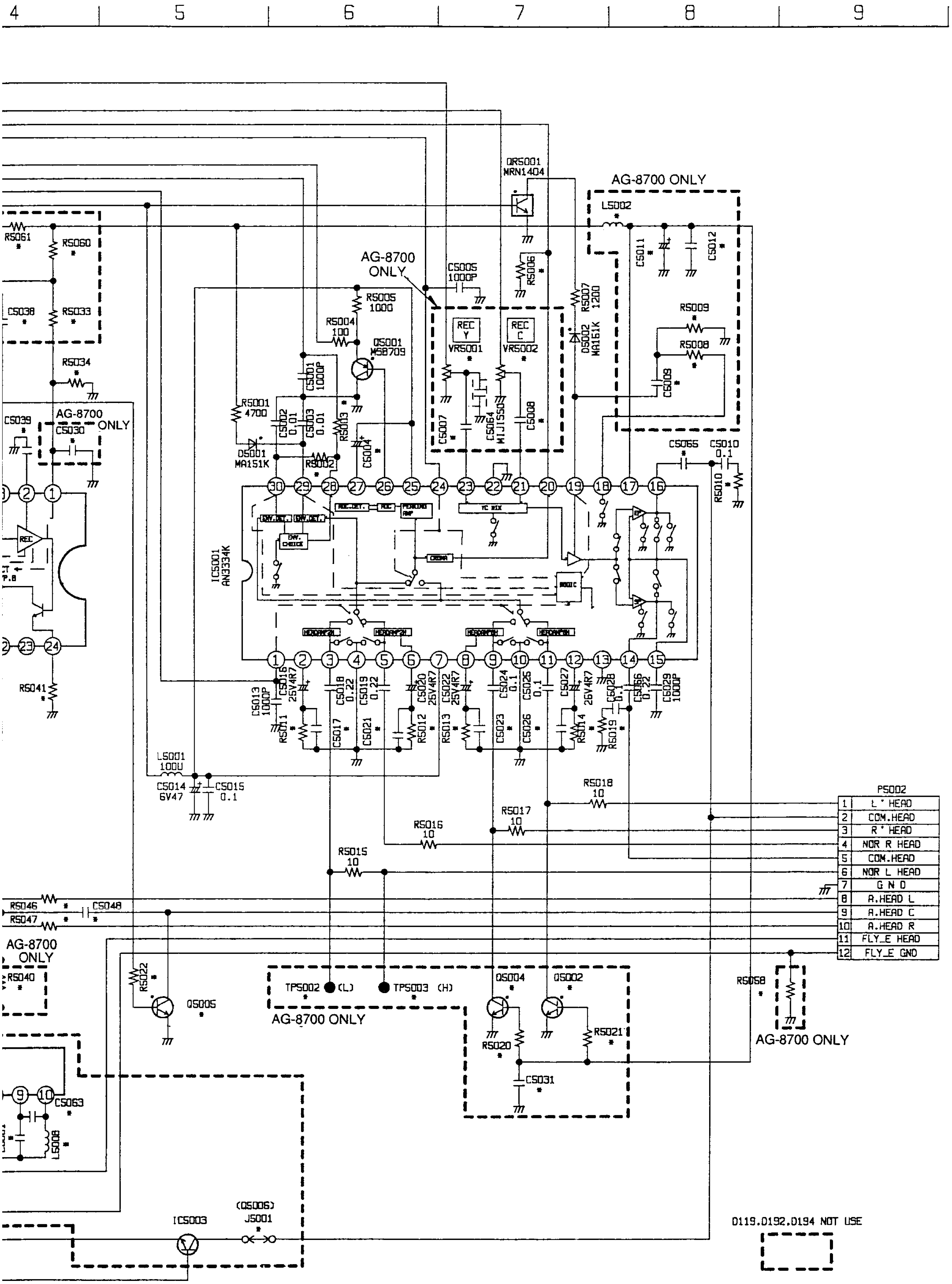
REF	AG-8700 AG-8600
C61033	6V47
C61034	6V47
C61035	50V1
C61036	50V1
C61037	0.01/UFN
C61038	0.01/UFN
C61039	0.01/UFN
C61040	0.01/UFN
C61041	0.01/UFN
C61042	0.01/UFN
C61043	0.01/UFN
C61044	0.01/UFN
C61045	0.01/UFN
C61046	0.01/UFN
C61047	0.01/UFN
C61048	0.01/UFN
C61055	*PAT
C61056	*PAT
D61005	MA153-TX
D61006	MA153-TX
D61007	MA153-TX
D61008	MA153-TX
D61009	MA153-TX
D61010	MA153-TX
D61011	MA153-TX
D61012	MA153-TX
IC61002	VSI1403J
IC61018	MB86023PF
IC61019	MB86023PF
IC61020	MC74HC4053FR
IC61021	MC74HC4053FR
IC61022	MC74HC4053FR
L61008	47U
L61009	47U
P61009	VJP3092
QR61001	*PAT
QR61002	*PAT
R61094	100/J6
R61095	100/J6
R61096	100/J6
R61097	100/J6
R61098	100/J6
R61099	100/J6
R61100	100/J6
R61101	100/J6
R61102	100/J6

REF	AG-8700 AG-8600
R61103	100/J6
R61104	100/J6
R61105	100/J6
R61106	100/J6
R61126	*PAT/J6
R61180	100/J6
R61181	100/J6
R61182	100/J6
R61183	*PAT/J6
R61192	*PAT/J6
R61193	0/J6
R61194	0/J6
R61195	0/J6
R61196	0/J6
R61197	0/J6

HEAD AMP SCHEMATIC DIAGRAM (E15: Page CBA-14)


1
2
3
4
5
6
A
B
C
D
E
F
G
PS001
GND 11
REC Y 10
GND 9
REC C 8
RF C 7
H.A.SW 6
GND 5
RF Y 4
ENV.SEL 3
HSW 2
PLAY 5V 1
PS003
HIFI D REC(L) 1
TRIC (H) 2
REC 12V 3
REC IN 4
GND 5
RF OUT 6
5V 7
GND 8
A.HSW 9
6H (H) 10
TL MODE(H)(D140) 11
FLYING E(H)(D117.118)
V.REC 12V(D191)
PS003
REC 12V 1
2
GND 3
AG-8700 ONLY
R5061
R5060
C5038
R5033
R5034
C5039
AG-8700 ONLY
C5030
L5003
C5035
C5036
R5026
R5027
R5030
C5034
C5037
R5028
R5031
R5029
C5006
R5032
VCC
AGC.DET
EP
VCA
SW
REC
SELECT
REC/P.B
PRE GND
P
R
PRE
GND
IC5002
L5004
C5040
AG-8700 ONLY
C5042
C5043
C5046
C5047
R5037
R5038
R5036
R5039
C5044
C5045
R5041
AG-8700 ONLY
D5004
AG-8700 ONLY
TP5001
REC HF
R5042
R5046
C5048
R5047
Q5003
R5043
R5044
Q5003
R5045
C5032
C5033
R5062
AG-8700 ONLY
R5040
R5070
R5059
AG-8700 ONLY
C5056
IC5003
C5063
R5056 (VRE0034)
C5057
C5059
R5057
(VRE0034)
C5061
L5008
L5007
C5058
C5060
C5062
NOT USED
IC5003
(Q5006)
J5001
AG-8700 ONLY
R5005 1000
R5004 100
Q5001 M58709
C5001 1000P
R5001 4700
C5002 0.01
C5003 0.01
R5003
C5004
D5001 MA151K
R5002
IC5001 AN3334K
REC.DET.
ENV.DET.
ENV. CHOICE
HEADAMP
L5001 100U
C5014 6V47
C5015 0.1
C5013 1000P
C5016 25V4R7
R5011
C5018 0.22
C5019 0.22
C5017
C5021
R5015 10
R5022
Q5005
TP5002 (L)
TP5
AG-8700 ONLY

age CBA-14)


4
5
6
7
8
9
AG-8700 ONLY
QR5001
MRN1404
L5002
C5011
C5012
R5061
R5060
C5038
R5033
R5034
C5039
C5030
R5005
1000
R5004
100
Q5001
M58709
C5005
1000P
R5006
R5007
1200
D5002
MA151K
R5009
R5008
C5009
REC Y
VR5001
REC C
VR5002
C5007
C5064
MIJ1550
C5008
R5001
4700
C5002
0.01
C5003
0.01
C5001
1000P
R5003
C5004
D5001
MA151K
R5002
C5065
C5010
0.1
R5010
IC5001
AN3334K
ENV.DET.
ENV. CHOICE
REC
YC MIX
HEAD AMP
C5013
1000P
C5016
25V4R7
C5018
0.22
C5019
0.22
C5020
25V4R7
C5022
25V4R7
C5024
0.1
C5025
0.1
C5027
25V4R7
C5028
0.1
C5066
0.22
C5029
1000P
R5011
C5017
C5021
R5012
R5013
C5023
C5026
R5014
R5019
L5001
100U
C5014
6V47
C5015
0.1
R5018
10
R5017
10
R5016
10
R5015
10
R5041
R5046
R5047
C5048
R5040
R5022
Q5005
TP5002 (L)
TP5003 (H)
Q5004
Q5002
R5020
R5021
C5031
R5058
C5063
L5008
IC5003
(Q5006)
J5001
PS002
1 L' HEAD
2 COM.HEAD
3 R' HEAD
4 NOR R HEAD
5 COM.HEAD
6 NOR L HEAD
7 G N D
8 A.HEAD L
9 A.HEAD C
10 A.HEAD R
11 FLY_E HEAD
12 FLY_E GND

D119.D192.D194 NOT USE

*-REFER TO THE COMPARISON CHART

Ref No.5000 Series.

	AG-8700	AG-8600
C5004	50V0.1	50V1
C5006	0.01	0.01
C5007	0.01	—
C5008	0.01	—
C5009	1800P(J)(NP0)	—
C5011	16V22	—
C5012	0.047	—
C5017	12P	12P
C5021	12P	12P
C5023	3P	3P
C5026	3P	3P
C5030	0.01	—
C5031	0.1	—
C5032	0.1	0.1
C5033	0.1	0.1
C5034	1000P(K)	1000P(K)
C5035	6V47	6V47
C5036	0.01	0.01
C5037	0.01(K)	0.01(K)
C5038	0.01(K)	—
C5039	0.01	0.01
C5040	0.01	—
C5042	50V1	50V1
C5043	470P	470P
C5044	100P	100P
C5045	100P	100P
C5046	470P	470P
C5047	50V1	50V1
C5048	0.0047	0.0047
C5056	0.01	—
C5057	—	—
C5058	—	—
C5059	—	—
C5060	—	—
C5061	—	—
C5062	—	—
C5063	—	—
C5065	—	—
D5004	MA151K-TW	—
IC5002	BA7740FS	BA7740FS
IC5003	—	—
J5001	—	—
L5002	100U	—
L5003	100U	100U
L5004	100U	—
L5007	—	—
L5008	—	—
P5003	VJP3091	VJP3091
Q5002	2SC2295	—
Q5003	XN4504-TW	XN4504-TW
Q5004	2SC2295	—
Q5005	2SC2295	2SC2295
R5002	680K	680K
R5003	22K	22K
R5006	1500	1500
R5008	—	—
R5009	470	—
R5010	1	1
R5011	1200	1200
R5012	1200	1200
R5013	1200	1200
R5014	1200	1200
R5019	330	390
R5020	3300	—
R5021	3300	—
R5022	1500	1500
R5026	0	0
R5027	33K	33K
R5028	24K(G)	24K(G)
R5029	27K(G)	27K(G)
R5030	390	390
R5031	10K	10K
R5032	47K	47K
R5033	27K	—
R5034	15K	15K
R5036	3300	3300
R5037	1500	1500
R5038	1500	1500
R5039	3300	3300
R5040	220(1/4W)	—
R5041	10	10
R5042	10	10
R5043	10	10
R5044	10K	10K
R5045	10K	10K
R5046	470	470
R5047	470	470
R5056	—	—
R5057	—	—
R5058	0	—
R5059	47K	47K
R5060	—	—
R5061	0	—
R5062	220(1/4W)	—
R5070	0	—
TP5001	VJR0098	—
TP5002	VJR0098	—
TP5003	VJR0098	—
VR5001	2KB(CA)	—
VR5002	2KB(CA)	—

0-ERJ6GEY0R00V

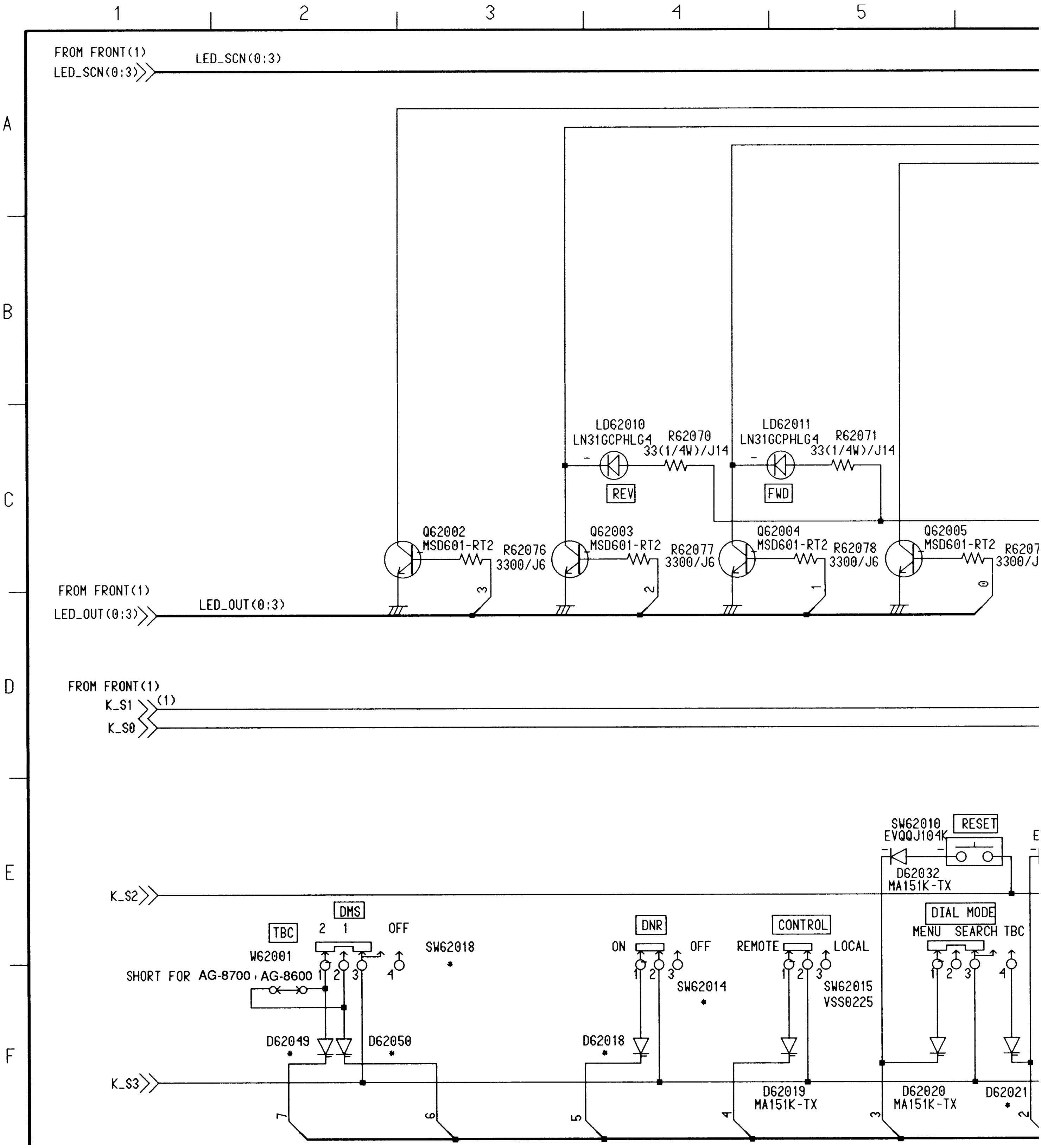
HEAD AMP DC VOLTAGE CHART

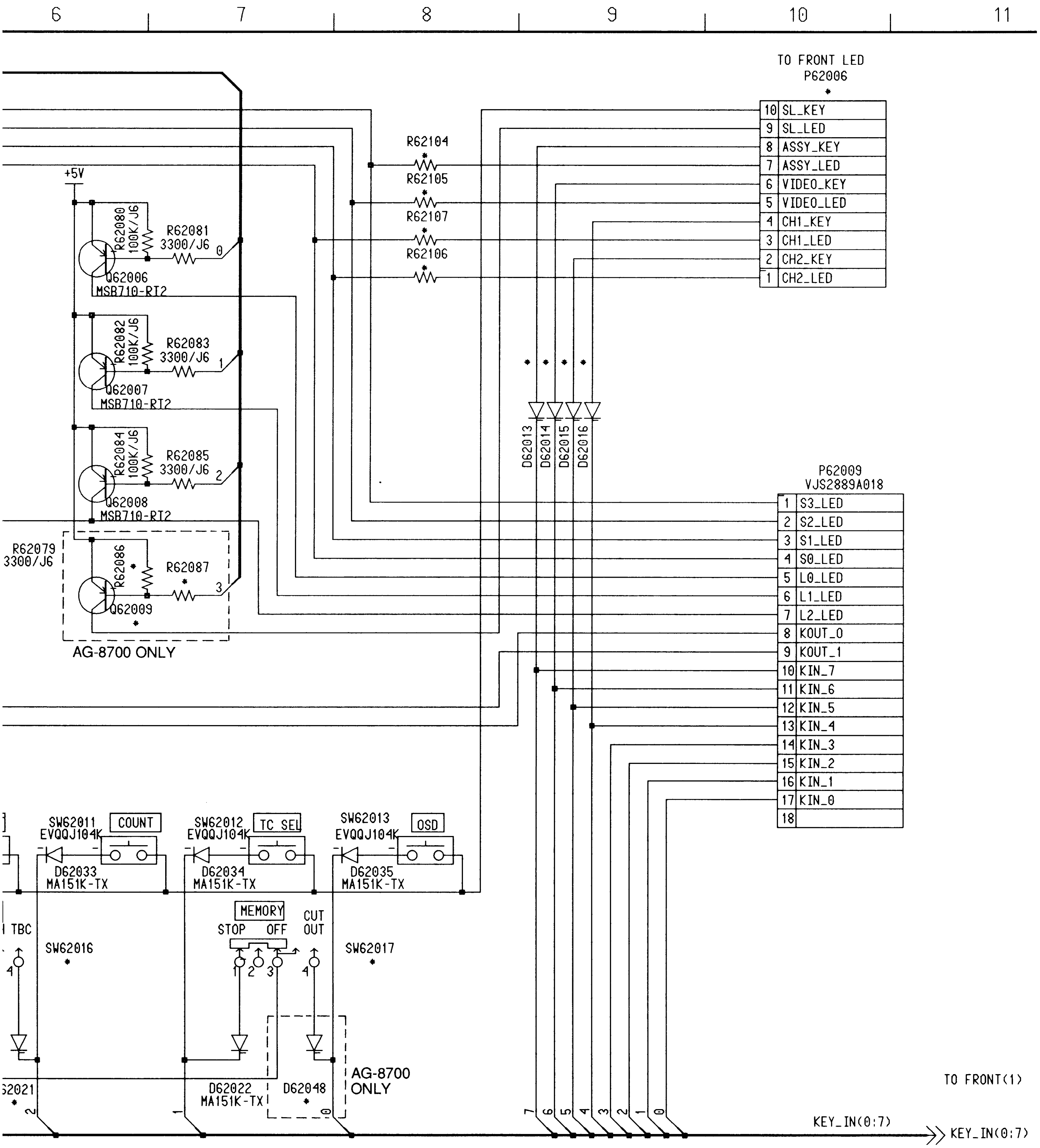
REF. NO.	IC5001									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	5.0	0.8	0.6	0	0.6	0.8	5.0	0.8	0.6	0
REC	5.0	0	0	0	0	0	0.3	0	0	0
REF. NO.	IC5001									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	0.6	0.8	0	0	0	0	0	0	0.6	2.3
REC	0	0	0	5.9	5.8	5.9	11.2	0	2.7	0
REF. NO.	IC5001									
MODE	21	22	23	24	25	26	27	28	29	30
EJECT	0	0	0	5.0	5.0	1.8	3.2	0.1	2.2	2.2
REC	4.6	0	4.6	0	6.3	0	0	0.2	11.1	3.6
REF. NO.	IC5002									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0.3	0.5	2.8	1.2	3.7	5.0	2.4	2.3	4.9	0
REC	4.0	1.3	2.7	1.3	0.1	5.0	3.7	2.3	4.9	0
REF. NO.	IC5002									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	0	5.0	0	0	0	0.8	0.7	0	0.7	0.8
REC	0	5.0	0	0	0	0	0	0	0	0
REF. NO.	IC5002									
MODE	21	22	23	24						
EJECT	0	0	0	0						
REC	0	4.4	0	0.6						
REF. NO.	Q5001			Q5002						
MODE	E	C	B	E	C	B				
EJECT	2.4	0	1.8	0	0	0				
REC	0.3	0	0	0	0	0.8				
REF. NO.	Q5003						Q5004			
MODE	1	2	3	4	5	6	E	C	B	
EJECT	0	0.6	0	0	0.6	0	0	0	0	
REC	0	0.7	0	0	0.7	0	0	0	0.8	
REF. NO.	Q5005			QR5001						
MODE	E	C	B	E	C	B				
EJECT	0	0	0.8	0	0	5.0				
REC	0	0	0	0	2.5	0.3				

FRONT-2 DC VOLTAGE CHART

REF. NO.	Q62002			Q62003			Q62004			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	2.9	0.2	0	3.8	0	0	3.7	0	
REC	0	3.7	0	0	2.8	0.2	0	3.7	0	
REF. NO.	Q62005			Q62006			Q62007			
MODE	E	C	B	E	C	B	E	C	B	
STOP	0	3.5	0	5.1	2.6	4.9	5.1	2.6	4.9	
REC	0	2.5	0.2	5.1	1.8	4.9	5.1	2.6	4.9	
REF. NO.	Q62008			Q62009						
MODE	E	C	B	E	C	B				
STOP	5.2	2.6	4.9	5.1	1.8	4.9				
REC	5.1	2.6	4.9	5.1	1.8	4.9				

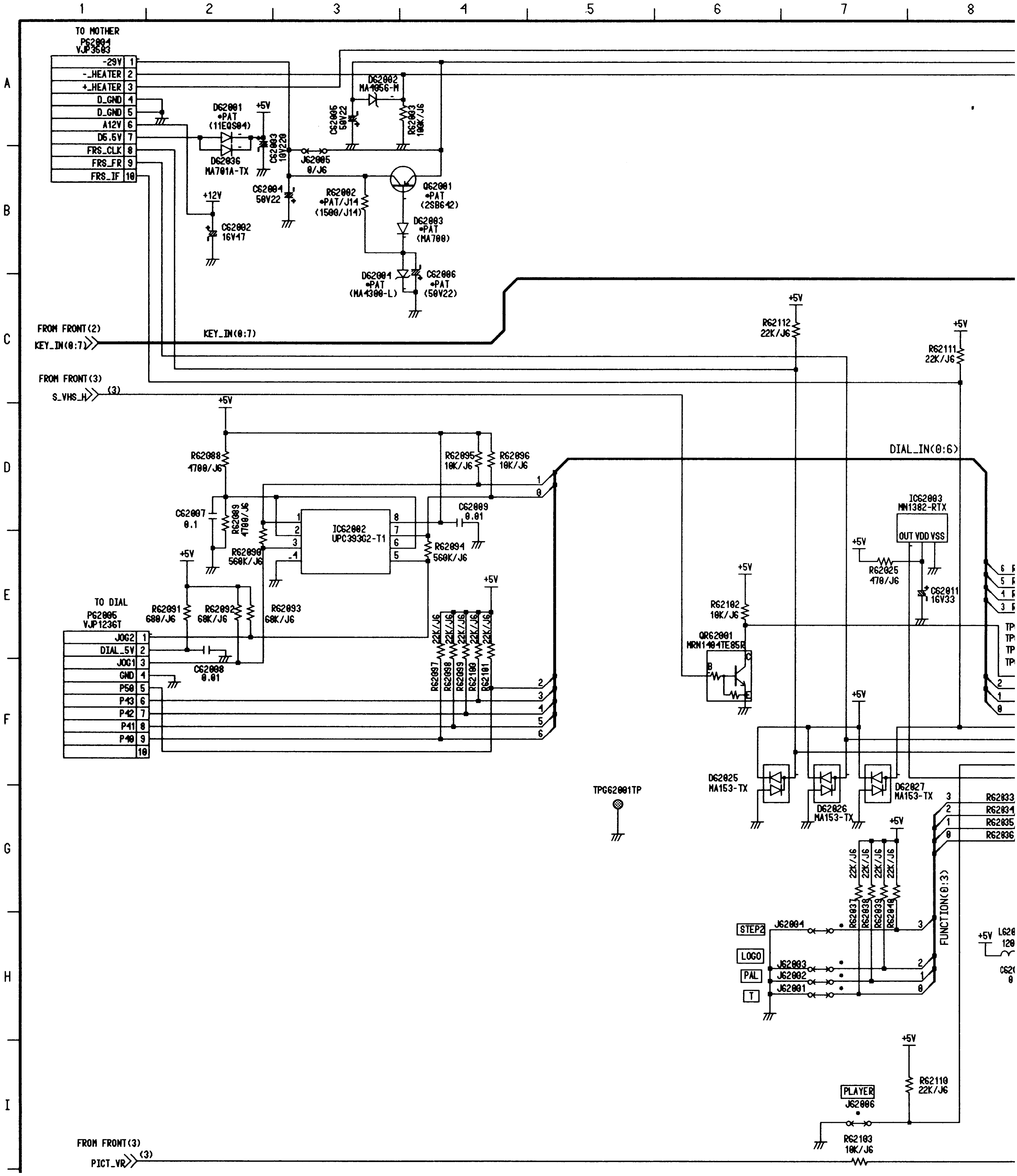
FRONT-2 SCHEMATIC DIAGRAM 2/4 (E16: Page CBA-12)


1
2
3
4
5
A
B
C
D
E
F
FROM FRONT(1)
LED_SCN(0:3)
LED_SCN(0:3)
LD62010
LN31GCPHLG4
R62070
33(1/4W)/J14
REV
LD62011
LN31GCPHLG4
R62071
33(1/4W)/J14
FWD
Q62002
MSD601-RT2
R62076
3300/J6
Q62003
MSD601-RT2
R62077
3300/J6
Q62004
MSD601-RT2
R62078
3300/J6
Q62005
MSD601-RT2
3300/J
FROM FRONT(1)
LED_OUT(0:3)
LED_OUT(0:3)
FROM FRONT(1)
K_S1
(1)
K_S0
SW62010
EVQQJ104K
RESET
D62032
MA151K-TX
K_S2
DMS
TBC
2
1
OFF
SW62018
W62001
SHORT FOR AG-8700 , AG-8600
4
DNR
ON
OFF
SW62014
CONTROL
REMOTE
LOCAL
SW62015
VSS0225
DIAL MODE
MENU
SEARCH
TBC
D62049
D62050
D62018
D62019
MA151K-TX
D62020
MA151K-TX
D62021
K_S3
7
6
5
4
3
2

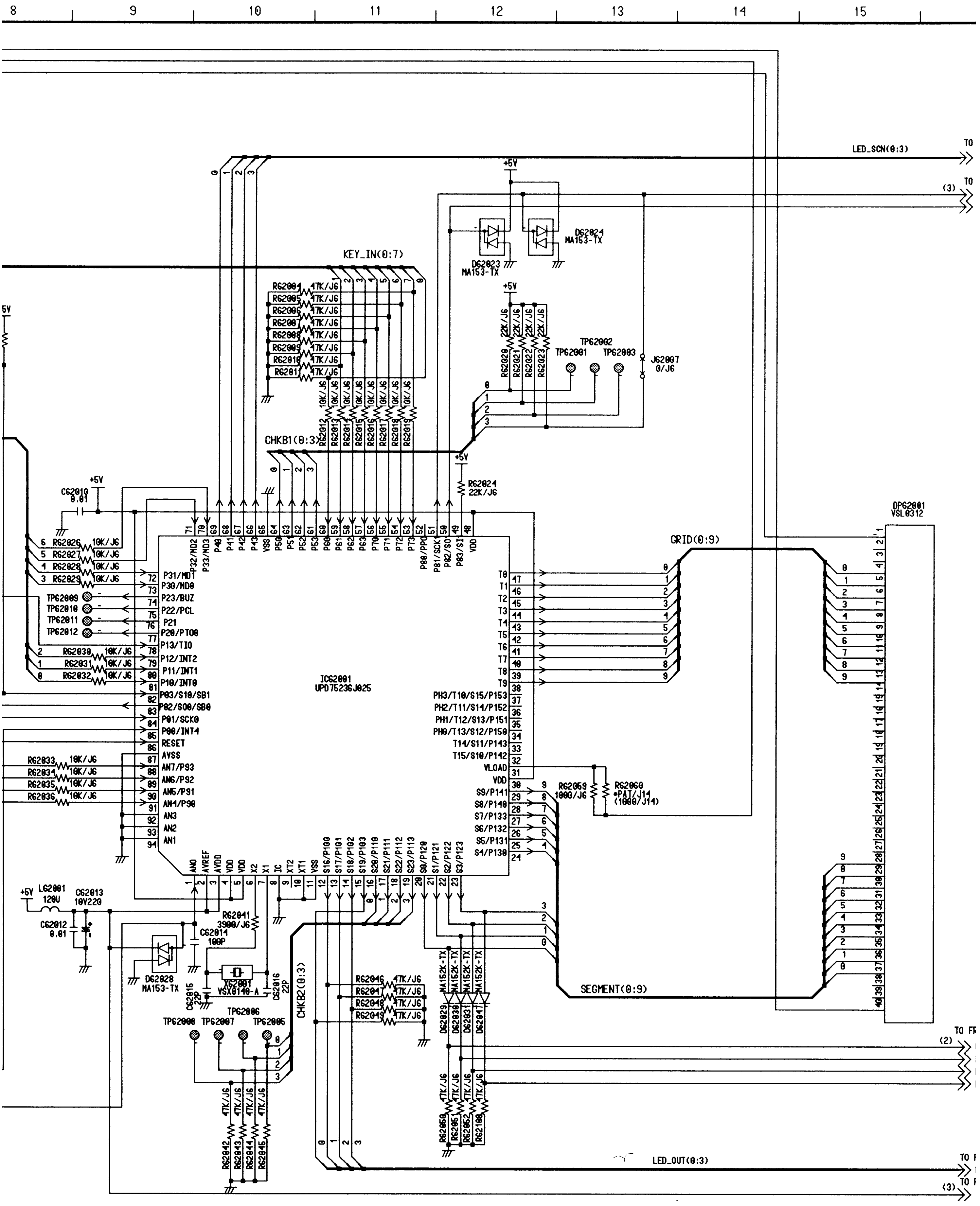

6
7
8
9
10
11
TO FRONT LED
P62006
*
10 SL_KEY
9 SL_LED
8 ASSY_KEY
7 ASSY_LED
6 VIDEO_KEY
5 VIDEO_LED
4 CH1_KEY
3 CH1_LED
2 CH2_KEY
1 CH2_LED
R62104
*
R62105
*
R62107
*
R62106
*
+5V
R62080
100K/J6
R62081
3300/J6
0
Q62006
MSB710-RT2
R62082
100K/J6
R62083
3300/J6
1
Q62007
MSB710-RT2
R62084
100K/J6
R62085
3300/J6
2
Q62008
MSB710-RT2
R62079
3300/J6
R62086
*
R62087
*
3
Q62009
*
AG-8700 ONLY
* * * *
D62013
D62014
D62015
D62016
P62009
VJS2889A018
1 S3_LED
2 S2_LED
3 S1_LED
4 S0_LED
5 L0_LED
6 L1_LED
7 L2_LED
8 KOUT_0
9 KOUT_1
10 KIN_7
11 KIN_6
12 KIN_5
13 KIN_4
14 KIN_3
15 KIN_2
16 KIN_1
17 KIN_0
18
SW62011
EVQQJ104K
COUNT
D62033
MA151K-TX
SW62012
EVQQJ104K
TC SEL
D62034
MA151K-TX
SW62013
EVQQJ104K
OSD
D62035
MA151K-TX
TBC
4
SW62016
*
MEMORY
STOP
OFF
1
2
3
CUT
OUT
4
SW62017
*
D62022
MA151K-TX
D62048
*
AG-8700
ONLY
S2021
*
2
1
0
7
6
5
4
3
2
1
0
KEY_IN(0:7)
TO FRONT(1)
KEY_IN(0:7)

*=REFER TO THE COMPARISON CHART

FRONT-1 SCHEMATIC DIAGRAM 1/4 (E16: Page CBA-12)



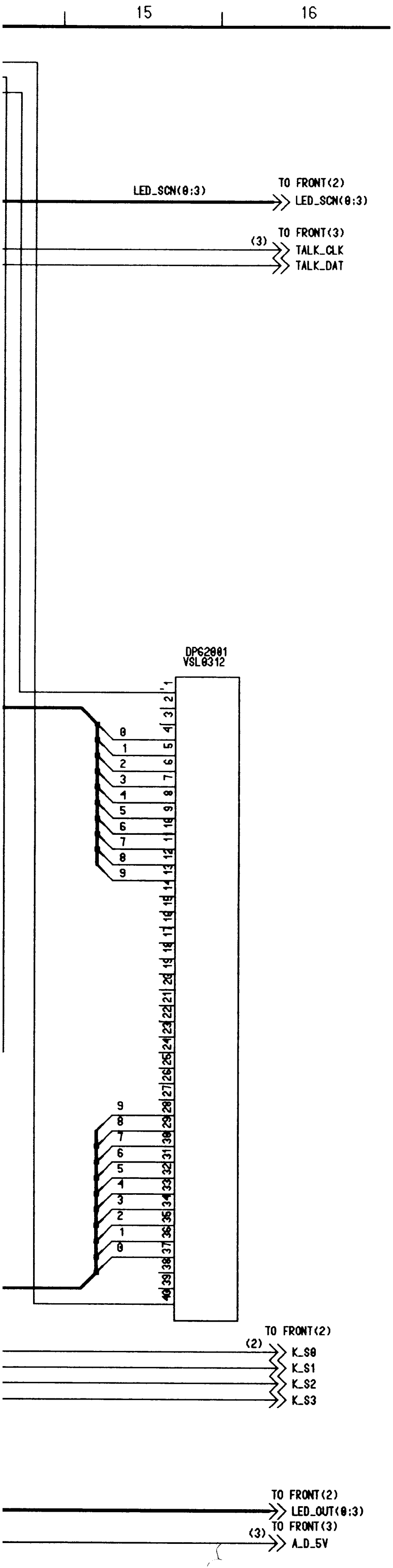
1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
I
TO MOTHER
PG2004
VJP3503
-29V
-_HEATER
+_HEATER
D_GND
D_GND
A12V
D5.5V
FRS_CLK
FRS_FR
FRS_IF
DG2001
*PAT
(11EQS04)
+5V
DG2036
MA701A-TX
CG2003
10V220
JG2005
0/J6
CG2005
50V22
DG2002
MA4056-M
RG2003
10K/J6
CG2004
50V22
RG2002
*PAT/J14
(1500/J14)
QG2001
*PAT
(2SB642)
DG2003
*PAT
(MA700)
+12V
CG2002
16V47
DG2004
*PAT
(MA4300-L)
CG2006
*PAT
(50V22)
FROM FRONT(2)
KEY_IN(0:7)
KEY_IN(0:7)
FROM FRONT(3)
S_VHS_H
(3)
+5V
RG2112
22K/J6
RG2111
22K/J6
RG2088
4700/J6
RG2095
10K/J6
RG2096
10K/J6
DIAL_IN(0:6)
CG2087
0.1
RG2089
4700/J6
ICG2002
UPC393G2-T1
CG2089
0.01
RG2090
560K/J6
RG2094
560K/J6
ICG2003
MN1382-RTX
OUT VDD VSS
RG2025
470/J6
CG2011
16V33
TO DIAL
PG2005
VJP1236T
JOG2
DIAL_5V
JOG1
GND
P50
P43
P42
P41
P40
RG2091
680/J6
RG2092
68K/J6
RG2093
68K/J6
CG2008
0.01
22K/J6
RG2097
RG2098
RG2099
RG2100
RG2101
RG2102
10K/J6
QRG2001
MRN1404TE85R
B
C
E
TPG2001TP
DG2025
MA153-TX
DG2026
MA153-TX
DG2027
MA153-TX
RG2033
RG2034
RG2035
RG2036
FUNCTION(0:3)
RG2037
RG2038
RG2039
RG2040
STEP2
JG2004
LOGO
JG2003
PAL
JG2002
T
JG2001
LG20
120
CG20
RG2110
22K/J6
PLAYER
JG2006
RG2103
10K/J6
FROM FRONT(3)
PICT_VR
(3)



8
9
10
11
12
13
14
15
LED_SCN(0:3)
TO
(3)
+5V
D62024
MA153-TX
D62023
MA153-TX
KEY_IN(0:7)
R62004 47K/J6
R62005 47K/J6
R62006 47K/J6
R62007 47K/J6
R62008 47K/J6
R62009 47K/J6
R62010 47K/J6
R62011 47K/J6
R62012
R62013
R62014
R62015
R62016
R62017
R62018
R62019
10K/J6
R62020
R62021
R62022
R62023
22K/J6
TP62001
TP62002
TP62003
J62007
0/J6
CHKB1(0:3)
R62024
22K/J6
C62010
0.01
R62026 10K/J6
R62027 10K/J6
R62028 10K/J6
R62029 10K/J6
TP62009
TP62010
TP62011
TP62012
R62030 10K/J6
R62031 10K/J6
R62032 10K/J6
R62033 10K/J6
R62034 10K/J6
R62035 10K/J6
R62036 10K/J6
IC62001
UPD75236J025
P32/MD2
P33/MD3
P40
P41
P42
P43
VSS
P50
P51
P52
P53
P60
P61
P62
P63
P70
P71
P72
P73
P80/PPO
P81/SCK
P82/SO
P83/SI
VDD
P31/MD1
P30/MD0
P23/BUZ
P22/PCL
P21
P20/PTO0
P13/TI0
P12/INT2
P11/INT1
P10/INT0
P03/SI0/SB1
P02/SO0/SB0
P01/SCK0
P00/INT4
RESET
AVSS
AN7/P93
AN6/P92
AN5/P91
AN4/P90
AN3
AN2
AN1
T0
T1
T2
T3
T4
T5
T6
T7
T8
T9
PH3/T10/S15/P153
PH2/T11/S14/P152
PH1/T12/S13/P151
PH0/T13/S12/P150
T14/S11/P143
T15/S10/P142
VLOAD
VDD
S9/P141
S8/P140
S7/P133
S6/P132
S5/P131
S4/P130
AN0
AVREF
AVDD
VDD
VDD
X2
X1
IC
XT2
XT1
VSS
S16/P100
S17/P101
S18/P102
S19/P103
S20/P110
S21/P111
S22/P112
S23/P113
S0/P120
S1/P121
S2/P122
S3/P123
GRID(0:9)
DP62001
VSL0312
R62059
1000/J6
R62060
*PAT/J14
(1000/J14)
SEGMENT(0:9)
L62001
120U
C62013
10V220
C62012
0.01
R62041
3900/J6
C62014
100P
D62028
MA153-TX
X62001
VSX0140-A
C62015
22P
C62016
22P
CHKB2(0:3)
R62046 47K/J6
R62047 47K/J6
R62048 47K/J6
R62049 47K/J6
MA152K-TX
D62029
D62030
D62031
D62041
TP62008
TP62007
TP62006
TP62005
R62042
R62043
R62044
R62045
47K/J6
R62050
R62051
R62052
R62100
47K/J6
LED_OUT(0:3)
TO F
(2)

*=REFER TO THE COMPARISON CHART

Ref No.62000 Series.


15
16
LED_SCN(0:3)
TO FRONT(2)
LED_SCN(0:3)
TO FRONT(3)
(3)
TALK_CLK
TALK_DAT
DP62001
VSL0312
TO FRONT(2)
(2)
K_S0
K_S1
K_S2
K_S3
TO FRONT(2)
LED_OUT(0:3)
(3)
TO FRONT(3)
A_D_5V

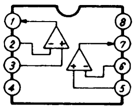
*=REFER TO THE COMPARISON CHART

Ref No.62000 Series.

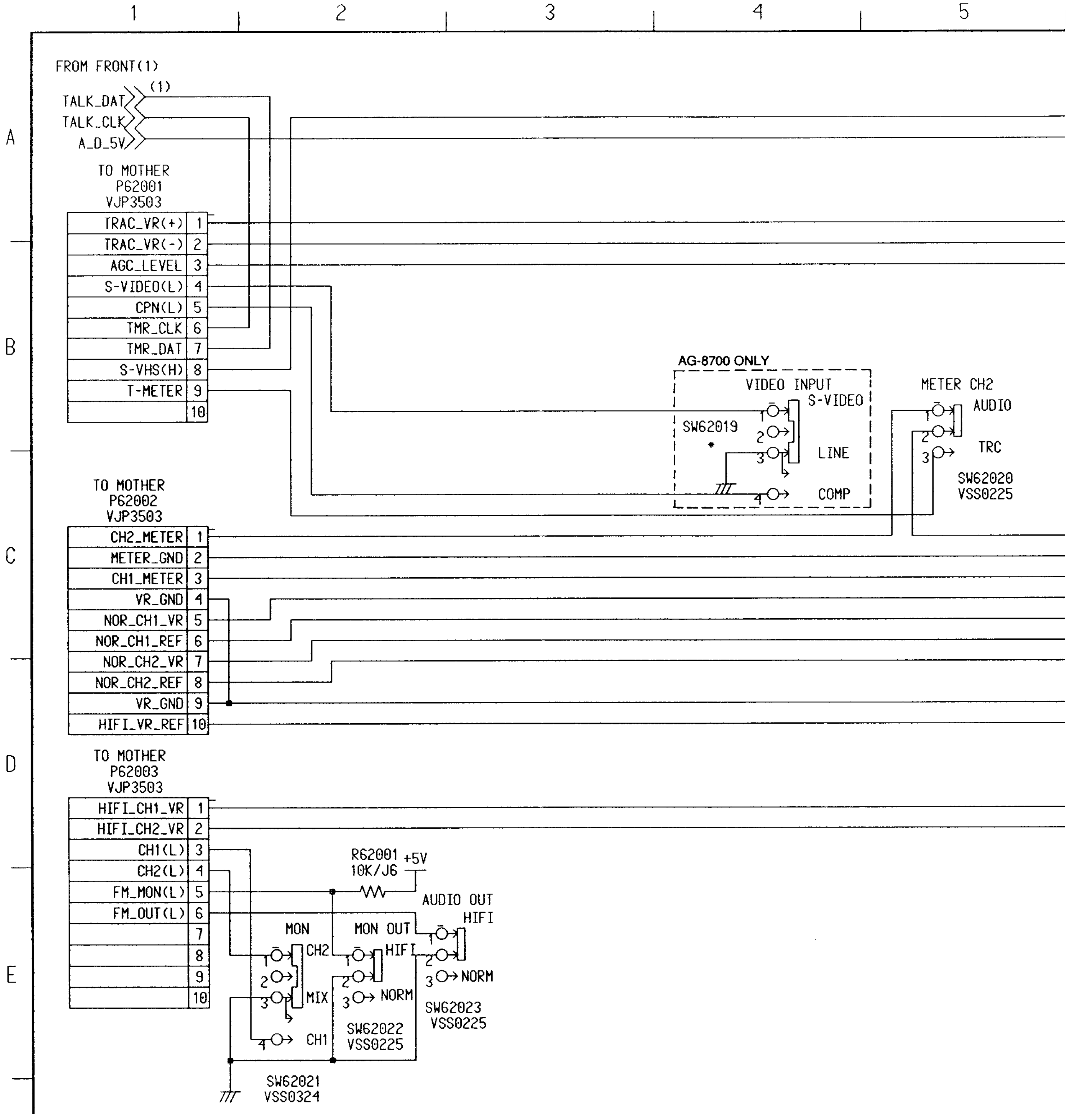
FRONT-1 DC VOLTAGE CHART

REF. NO.	IC62001									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	–	5.1	5.1	5.1	5.1	2.6	2.5	0	5.2	0
REC	–	5.1	5.1	5.1	5.1	2.6	2.5	0	5.1	0
REF. NO.	IC62001									
MODE	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0	0	0	0	0	0	0	–
REC	0	0	1.2	0	1.2	0	0	0	0	–
REF. NO.	IC62001									
MODE	21	22	23	24	25	26	27	28	29	30
STOP	−3.6	−6.6	−6.6	−3.8	−3.8	−22.7	−25.5	−14.5	−17.2	5.2
REC	−8.9	−8.7	−12.1	−13.8	−13.7	−16.1	−25.5	−14.5	−17.2	5.2
REF. NO.	IC62001									
MODE	31	32	33	34	35	36	37	38	39	40
STOP	−26.0	0	0	0	0	0	0	−23.0	−23.0	−23.0
REC	−26.0	0	0	0	0	0	0	−23.0	−23.0	−23.0
REF. NO.	IC62001									
MODE	41	42	43	44	45	46	47	48	49	50
STOP	−23.0	−22.9	−22.9	−22.9	−22.7	−22.7	−23.0	5.2	5.1	0
REC	−23.0	−23.1	−23.2	−23.3	−23.0	−23.1	−23.3	5.1	5.1	1.0
REF. NO.	IC62001									
MODE	51	52	53	54	55	56	57	58	59	60
STOP	0	5.2	0	0	0	0	0	0	0	2.5
REC	4.7	5.1	0	0	0	0	0	0	0	2.4
REF. NO.	IC62001									
MODE	61	62	63	64	65	66	67	68	69	70
STOP	0	0	0	0	0	5.1	5.1	5.1	5.1	0
REC	0	0	0	0	0	3.8	3.8	3.8	3.8	0
REF. NO.	IC62001									
MODE	71	72	73	74	75	76	77	78	79	80
STOP	5.1	5.1	5.1	0	2.5	0	0	0	5.2	0
REC	5.1	5.1	5.1	0	2.5	0	0	0	5.2	0
REF. NO.	IC62001									
MODE	81	82	83	84	85	86	87	88	89	90
STOP	5.2	5.1	0	0	5.2	5.2	0	0	5.2	0
REC	5.1	5.1	3.8	5.1	5.1	0	0	0	0	0
REF. NO.	IC62001									
MODE	91	92	93	94						
STOP	0	0	0	0						
REC	0	0	0	0						
REF. NO.	IC62002									
MODE	1	2	3	4	5	6	7	8		
STOP	0	2.5	4.5	0	4.6	2.5	5.1	5.1		
REC	0	2.5	4.5	0	4.6	2.5	5.1	5.1		
REF. NO.	IC62003									
MODE	1	2	3							
STOP	5.1	5.1	0							
REC	5.1	5.1	0							
REF. NO.	QR62001									
MODE	E	C	B							
STOP	0	0	4.6							
REC	0	0	4.9							

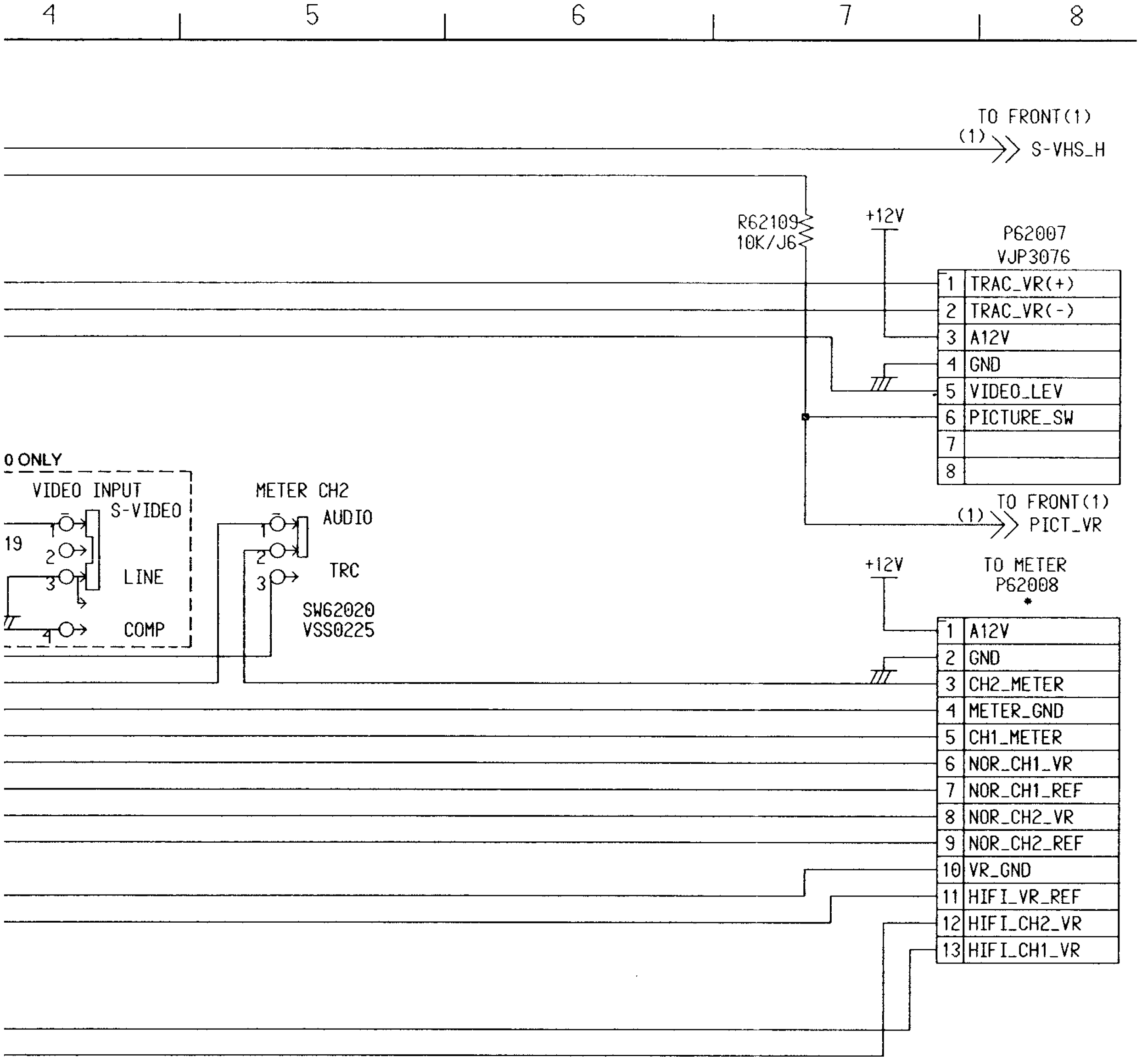
IC62002
uPC39362



FRONT-3 SCHEMATIC DIAGRAM 3/4 (E16: Page CBA-12)


1
2
3
4
5
A
B
C
D
E
FROM FRONT(1)
(1)
TALK_DAT
TALK_CLK
A_D_5V
TO MOTHER
P62001
VJP3503
TRAC_VR(+) 1
TRAC_VR(-) 2
AGC_LEVEL 3
S-VIDEO(L) 4
CPN(L) 5
TMR_CLK 6
TMR_DAT 7
S-VHS(H) 8
T-METER 9
10
AG-8700 ONLY
VIDEO INPUT
S-VIDEO
SW62019
LINE
COMP
METER CH2
AUDIO
TRC
SW62020
VSS0225
TO MOTHER
P62002
VJP3503
CH2_METER 1
METER_GND 2
CH1_METER 3
VR_GND 4
NOR_CH1_VR 5
NOR_CH1_REF 6
NOR_CH2_VR 7
NOR_CH2_REF 8
VR_GND 9
HIFI_VR_REF 10
TO MOTHER
P62003
VJP3503
HIFI_CH1_VR 1
HIFI_CH2_VR 2
CH1(L) 3
CH2(L) 4
FM_MON(L) 5
FM_OUT(L) 6
7
8
9
10
R62001
10K/J6
+5V
AUDIO OUT
HIFI
MON
CH2
MIX
CH1
MON OUT
HIFI
NORM
NORM
SW62022
VSS0225
SW62023
VSS0225
SW62021
VSS0324

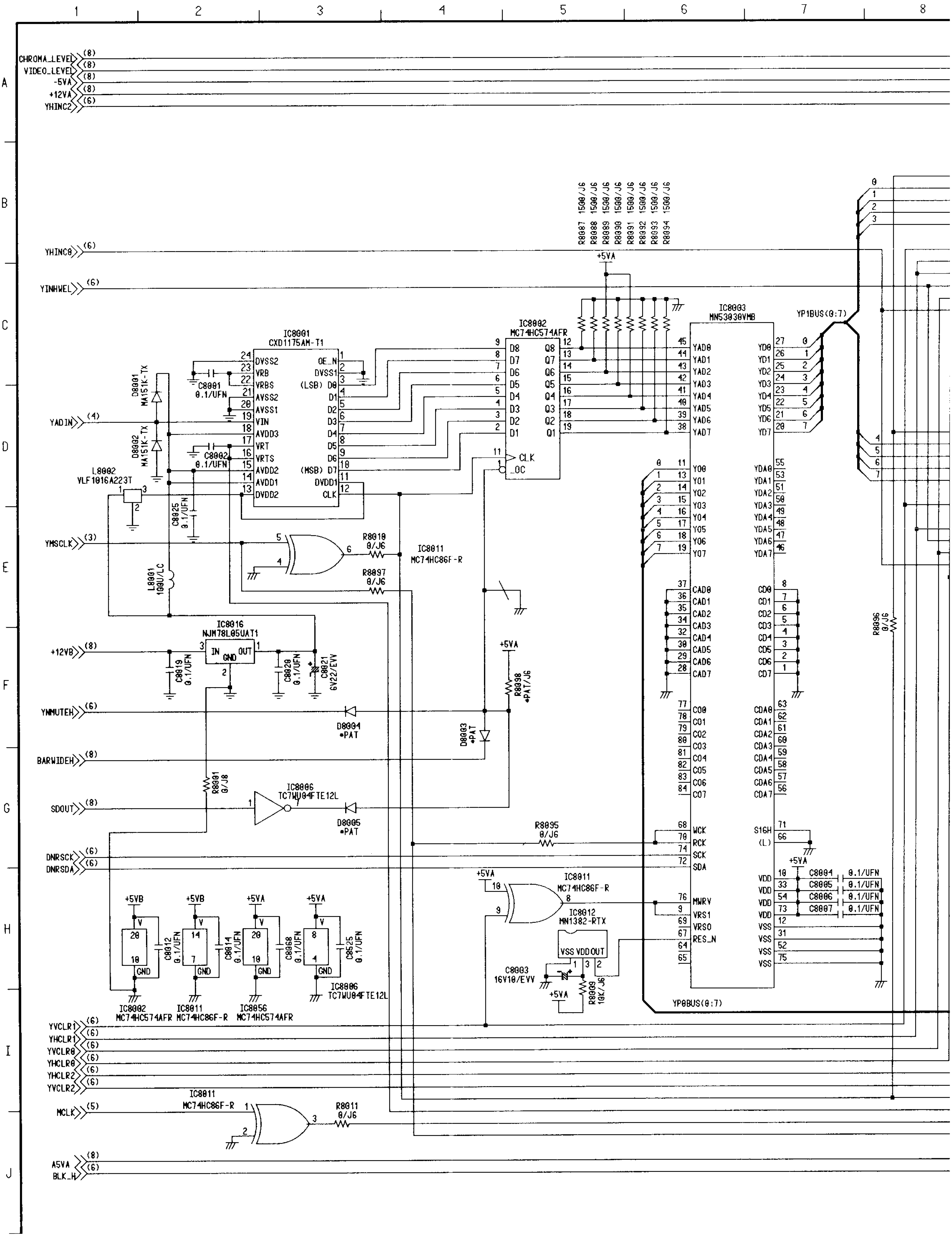
BA-12)


4
5
6
7
8
TO FRONT(1)
(1)
S-VHS_H
R62109
10K/J6
+12V
P62007
VJP3076
1 TRAC_VR(+)
2 TRAC_VR(-)
3 A12V
4 GND
5 VIDEO_LEV
6 PICTURE_SW
7
8
0 ONLY
VIDEO INPUT
S-VIDEO
19
1
2
3
4
LINE
COMP
METER CH2
AUDIO
TRC
SW62020
VSS0225
TO FRONT(1)
(1)
PICT_VR
+12V
TO METER
P62008
1 A12V
2 GND
3 CH2_METER
4 METER_GND
5 CH1_METER
6 NOR_CH1_VR
7 NOR_CH1_REF
8 NOR_CH2_VR
9 NOR_CH2_REF
10 VR_GND
11 HIFI_VR_REF
12 HIFI_CH2_VR
13 HIFI_CH1_VR

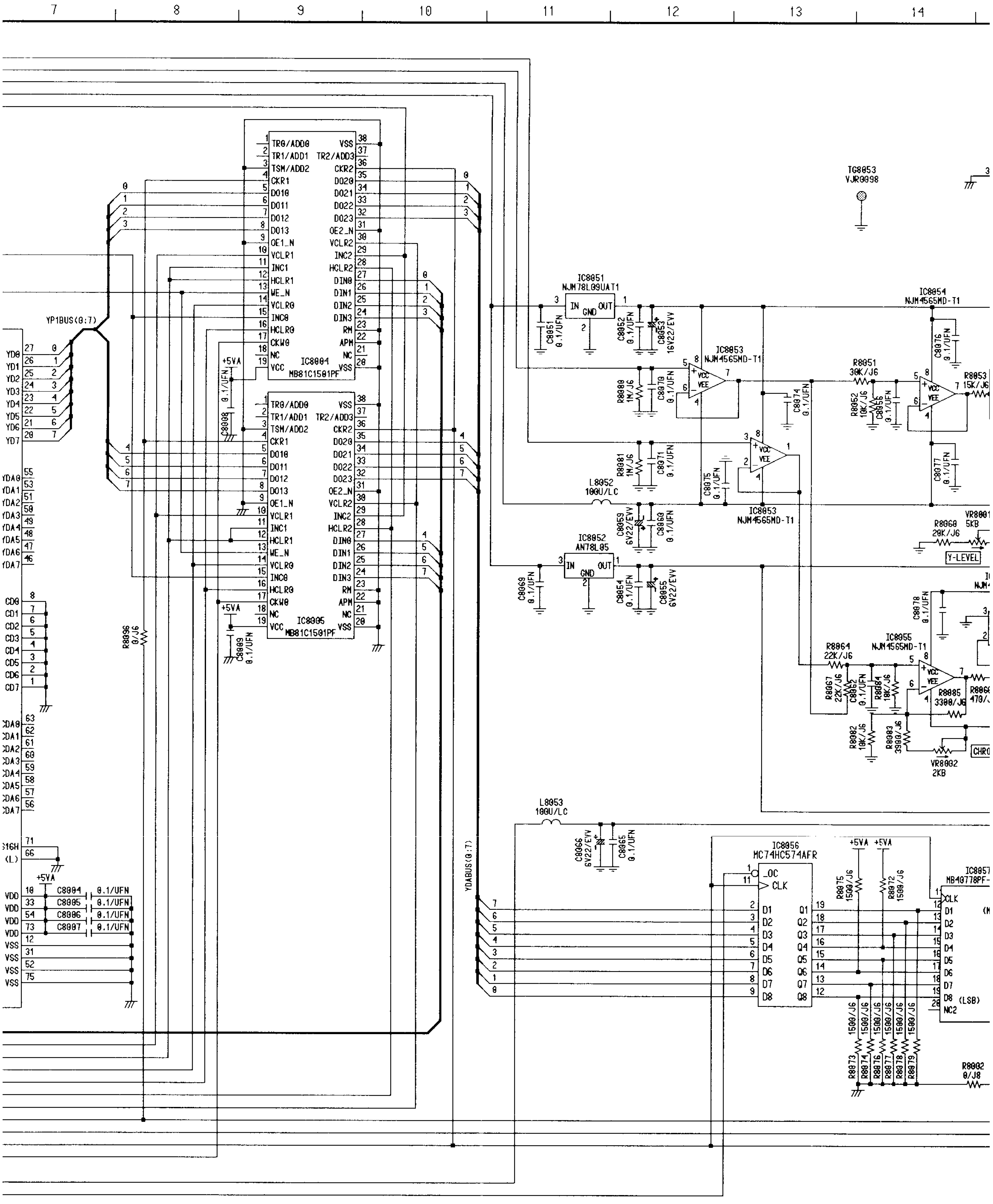
FRONT COMPARISON CHART 4/4
(E16: Page CBA-12)

REF	AG-8700	AG-8600	ON
C62006	*PAT/EVV	*PAT/EVV	50V22/EVV
D62001	*PAT	*PAT	11EQS04TA1
D62003	*PAT	*PAT	MA700A-TA
D62004	*PAT	*PAT	MA4300-L
D62013	MA151K-TX	MA151K-TX	MA151K-TX
D62014	MA151K-TX	MA151K-TX	MA151K-TX
D62015	MA151K-TX	MA151K-TX	MA151K-TX
D62016	MA151K-TX	MA151K-TX	MA151K-TX
D62018	MA151K-TX	MA151K-TX	MA151K-TX
D62021	MA151K-TX	MA151K-TX	MA151K-TX
D62048	MA151K-TX	*PAT	MA151K-TX
D62049	*PAT	*PAT	MA151K-TX
D62050	MA151K-TX	MA151K-TX	MA151K-TX
J62001	*PAT/J6	*PAT/J6	0/J6
J62002	0/J6	0/J6	0/J6
J62003	*PAT/J6	*PAT/J6	0/J6
J62004	0/J6	0/J6	0/J6
J62006	*PAT/J6	0/J6	0/J6
P62006	VJS2949B010	VJS2949B010	VJS2949B010
P62008	VJP1394T	VJP3530	VJP1394T
Q62001	*PAT	*PAT	2SB642-RT2
Q62009	MSB710-RT2	*PAT	MSB710-RT2
R62002	*PAT/J14	*PAT/J14	1500/J14
R62060	*PAT/J14	*PAT/J14	1000/J14
R62086	100K/J6	*PAT/J6	100K/J6
R62087	1000/J6	*PAT/J6	1000/J6
R62104	47/J14	*PAT/J14	47/J14
R62105	33/J14	*PAT/J14	33/J14
R62106	33/J14	*PAT/J14	33/J14
R62107	33/J14	*PAT/J14	33/J14
SW62014	VSS0225	VSS0225	VSS0225
SW62016	VSS0324	VSS0324	VSS0324
SW62017	VSS0324	VSS0225	VSS0324
SW62018	VSS0225	VSS0225	VSS0324
SW62019	VSS0225	*PAT	VSS0324
TP62001	*PAT	*PAT	AVSD1
TP62002	*PAT	*PAT	AVSD2
TP62003	*PAT	*PAT	AVSD3
TP62005	*PAT	*PAT	AVSD5
TP62006	*PAT	*PAT	AVSD6
TP62007	*PAT	*PAT	AVSD7
TP62008	*PAT	*PAT	AVSD8
TP62009	*PAT	*PAT	AVSD9
TP62010	*PAT	*PAT	AVSD10
TP62011	*PAT	*PAT	AVSD11
TP62012	*PAT	*PAT	AVSD12

Y MEMORY SCHEMATIC DIAGRAM 1/9 (E11: Page CBA-9)

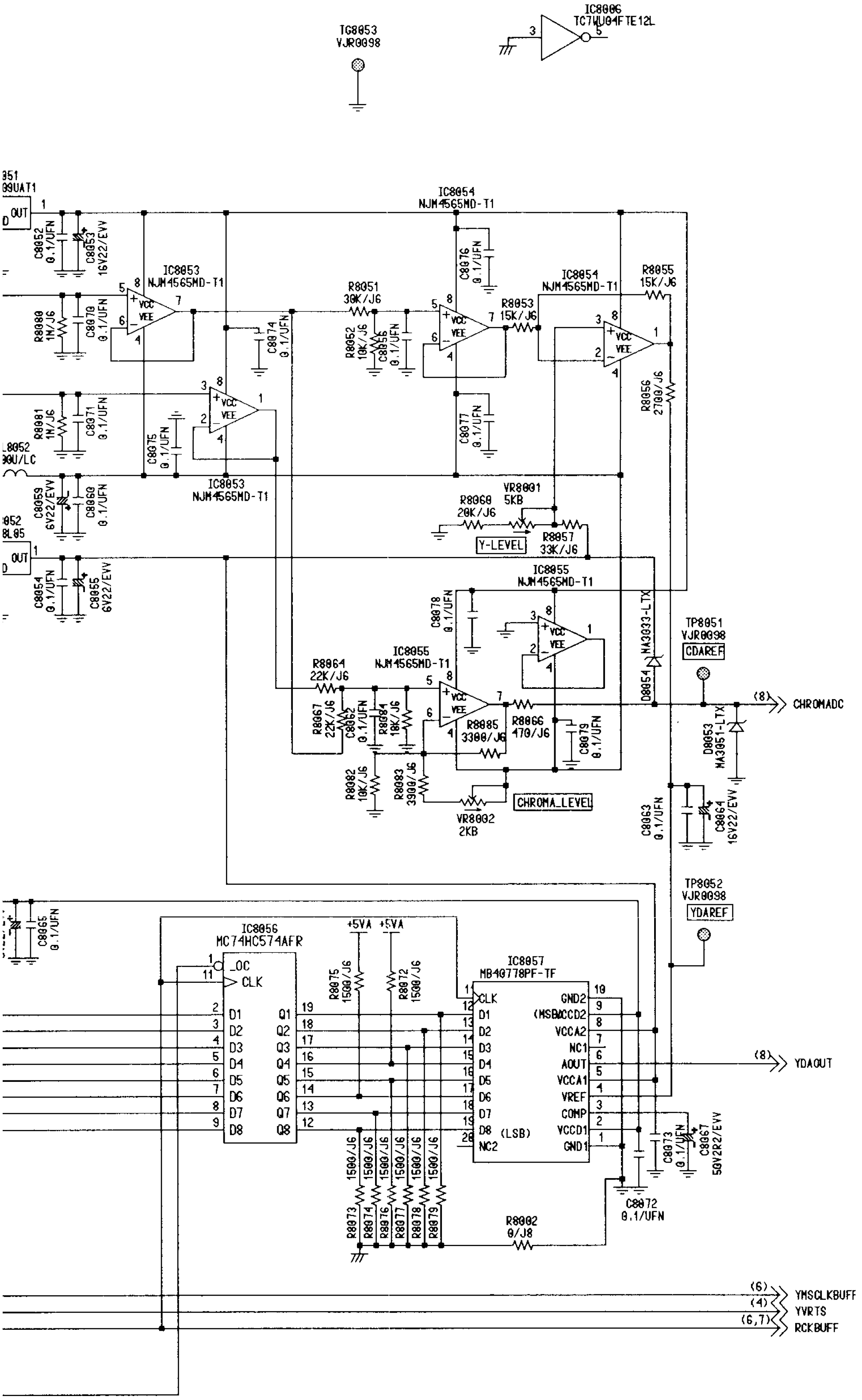


CHROMA_LEVEL (8)
VIDEO_LEVEL (8)
-5VA (8)
+12VA (8)
YHINC2 (6)
YHINC0 (6)
YINHWEL (6)
YADIN (4)
YMSCLK (3)
+12VB (8)
YNMUTEH (6)
BARWIDEH (8)
SDOUT (8)
DNRSCK (6)
DNRSDA (6)
YVCLR1 (6)
YHCLR1 (6)
YVCLR0 (6)
YHCLR0 (6)
YHCLR2 (6)
YVCLR2 (6)
MCLK (5)
A5VA (8)
BLK_H (6)
IC8001 CXD1175AM-T1
IC8002 MC74HC574AFR
IC8003 MN53030VMB
IC8011 MC74HC86F-R
IC8016 NJM78L05UAT1
IC8006 TC7WU04FTE12L
IC8012 MN1382-RTX
IC8056 MC74HC574AFR
D8001 MA151K-TX
D8002 MA151K-TX
L8002 VLF1016A223T
L8001 100U/LC
C8001 0.1/UFN
C8002 0.1/UFN
C8025 0.1/UFN
C8019 0.1/UFN
C8020 0.1/UFN
C8021 6V22/EVV
C8003 16V10/EVV
C8004 0.1/UFN
C8005 0.1/UFN
C8006 0.1/UFN
C8007 0.1/UFN
C8012 0.1/UFN
C8014 0.1/UFN
C8068 0.1/UFN
C8525 0.1/UFN
R8087 1500/J6
R8088 1500/J6
R8089 1500/J6
R8090 1500/J6
R8091 1500/J6
R8092 1500/J6
R8093 1500/J6
R8094 1500/J6
R8010 0/J6
R8097 0/J6
R8098 *PAT/J6
R8001 0/J8
R8095 0/J6
R8099 10K/J6
R8096 0/J6
R8011 0/J6
D8003 *PAT
D8004 *PAT
D8005 *PAT
YP1BUS(0:7)
YP0BUS(0:7)
+5VA
+5VB


7
8
9
10
11
12
13
14
YP1BUS(0:7)
YD0
YD1
YD2
YD3
YD4
YD5
YD6
YD7
YDA0
YDA1
YDA2
YDA3
YDA4
YDA5
YDA6
YDA7
CD0
CD1
CD2
CD3
CD4
CD5
CD6
CD7
VDD
VSS
+5VA
C8004 0.1/UFN
C8005 0.1/UFN
C8006 0.1/UFN
C8007 0.1/UFN
R8096 0/J6
C8008 0.1/UFN
C8009 0.1/UFN
IC8004 MB81C1501PF
IC8005 MB81C1501PF
TR0/ADD0
TR1/ADD1
TR2/ADD3
TSM/ADD2
CKR1
CKR2
D010
D011
D012
D013
D020
D021
D022
D023
OE1_N
OE2_N
VCLR1
VCLR2
INC1
INC2
HCLR1
HCLR2
WE_N
VCLR0
INC0
HCLR0
CKW0
DIN0
DIN1
DIN2
DIN3
RM
APM
NC
VCC
VSS
TG8053 VJR0098
IC8051 NJM78L09UAT1
IN
OUT
GND
C8051 0.1/UFN
C8052 0.1/UFN
C8053 16V22/EVV
IC8053 NJM4565MD-T1
R8080 1M/J6
C8070 0.1/UFN
R8081 1M/J6
C8071 0.1/UFN
C8074 0.1/UFN
C8075 0.1/UFN
L8052 100U/LC
C8059 6V22/EVV
C8060 0.1/UFN
IC8052 AN78L05
C8069 0.1/UFN
C8054 0.1/UFN
C8055 6V22/EVV
IC8054 NJM4565MD-T1
C8076 0.1/UFN
C8077 0.1/UFN
R8051 30K/J6
R8052 10K/J6
C8056
R8053 15K/J6
VR8001 5KB
R8060 20K/J6
Y-LEVEL
C8078 0.1/UFN
IC8055 NJM4565MD-T1
R8064 22K/J6
R8067 22K/J6
C8062 0.1/UFN
R8084 10K/J6
R8085 3300/J6
R8082 10K/J6
R8083 3900/J6
VR8002 2KB
CHRO
L8053 100U/LC
C8066 6V22/EVV
C8065 0.1/UFN
YDABUS(0:7)
IC8056 MC74HC574AFR
_OC
CLK
D1
D2
D3
D4
D5
D6
D7
D8
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
R8075 1500/J6
R8072 1500/J6
R8073 1500/J6
R8074 1500/J6
R8076 1500/J6
R8077 1500/J6
R8078 1500/J6
R8079 1500/J6
IC8057 MB40778PF-
(LSB)
NC2
R8002 0/J8

*=REFE

Ref


IC8006
TC7WU04FTE12L
TG8053
VJR0098
IC8054
NJM4565MD-T1
IC8053
NJM4565MD-T1
IC8055
NJM4565MD-T1
R8051
30K/J6
R8052
10K/J6
R8053
15K/J6
R8055
15K/J6
R8056
2700/J6
R8060
20K/J6
VR8001
5KB
R8057
33K/J6
Y-LEVEL
R8064
22K/J6
R8067
22K/J6
R8084
10K/J6
R8085
3300/J6
R8066
470/J6
R8082
10K/J6
R8083
3900/J6
VR8002
2KB
CHROMA_LEVEL
R8080
1M/J6
R8081
1M/J6
C8052
0.1/UFN
C8053
16V22/EVV
C8070
0.1/UFN
C8071
0.1/UFN
C8074
0.1/UFN
C8075
0.1/UFN
C8076
0.1/UFN
C8077
0.1/UFN
C8056
0.1/UFN
C8059
6V22/EVV
C8069
0.1/UFN
C8054
0.1/UFN
C8055
6V22/EVV
C8078
0.1/UFN
C8062
0.1/UFN
C8079
0.1/UFN
C8063
0.1/UFN
C8064
16V22/EVV
C8065
0.1/UFN
D8054
MA3033-LTX
D8053
MA3051-LTX
TP8051
VJR0098
CDAREF
TP8052
VJR0098
YDAREF
(8) CHROMADC
L8052
IC8056
MC74HC574AFR
_OC
CLK
D1 D2 D3 D4 D5 D6 D7 D8
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
IC8057
MB40778PF-TF
CLK
D1 D2 D3 D4 D5 D6 D7 D8
(LSB)
NC2
GND2
(MSB)VCCD2
VCCA2
NC1
AOUT
VCCA1
VREF
COMP
VCCD1
GND1
+5VA
+5VA
R8075
1500/J6
R8072
1500/J6
R8073 R8074 R8076 R8077 R8078 R8079
1500/J6
R8002
0/J8
C8072
0.1/UFN
C8073
0.1/UFN
C8067
50V2R2/EVV
(8) YDAOUT
(6) YMSCLKBUFF
(4) YVRTS
(6,7) RCKBUFF

*=REFER TO THE COMPARISON CHART

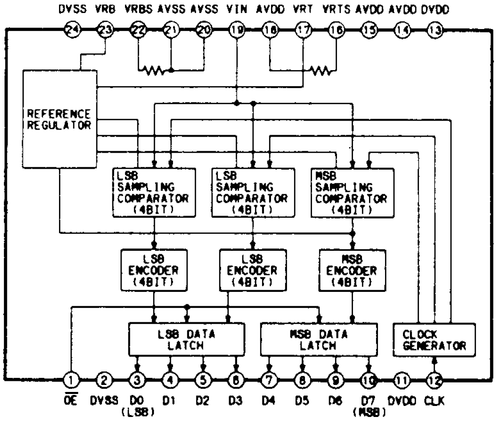
Ref No.8000 Series.

Y MEMORY DC VOLTAGE CHART

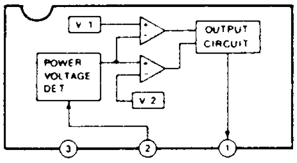
REF. NO.	IC8001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EJECT	0	0	1.9	1.9	1.6	1.8	3.7	1.7	0.9	1.4	5.0	2.4	5.0	5.0	5.0	2.7	2.7	5.0	1.2	0
REC	0	0	1.9	2.1	1.7	1.9	3.7	1.7	0.9	1.4	5.0	2.4	5.0	5.0	5.0	2.7	2.7	5.0	1.2	0
REF. NO.	IC8001																			
MODE	21	22	23	24																
EJECT	0	0.6	0.6	0																
REC	0	0.6	0.6	0																
REF. NO.	IC8002																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EJECT	0	1.3	0.9	1.5	3.6	1.9	1.6	1.9	1.8	0	2.4	2.4	2.3	2.0	2.0	3.8	1.6	0.9	1.3	5.1
REC	0	1.4	0.9	1.5	3.7	1.9	1.7	2.1	1.9	0	2.4	2.4	2.4	2.0	2.0	3.8	1.6	0.9	1.3	5.1
REF. NO.	IC8003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EJECT	0	0	0	0	0	0	0	0	5.1	5.2	2.5	0	2.4	1.9	2.1	3.8	1.6	1.0	1.5	1.3
REC	0	0	0	0	0	0	0	0	5.1	5.2	2.5	0	2.5	2.0	2.0	3.8	1.7	1.0	1.4	1.3
REF. NO.	IC8003																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
EJECT	0.9	1.6	3.7	1.9	1.8	2.3	2.3	0	0	0	0	0	5.2	0	0	0	0	1.4	0.9	1.7
REC	0.9	1.6	3.6	1.9	1.8	2.3	2.3	0	0	0	0	0	5.2	0	0	0	0	1.4	0.9	1.6
REF. NO.	IC8003																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
EJECT	3.8	1.9	2.0	2.3	2.4	1.4	0.9	1.7	3.8	2.0	2.0	0	2.4	5.2	2.5	0	0	0	0	0
REC	3.8	1.9	2.0	2.4	2.4	1.4	1.0	1.7	3.8	2.0	2.0	0	2.5	5.2	2.5	0	0	0	0	0
REF. NO.	IC8003																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
EJECT	0	0	0	0	0	0	5.2	1.5	5.2	1.5	0	0	5.2	5.2	0	5.1	0	0	0	0
REC	0	0	0	0	0	0	5.1	1.5	5.2	1.5	0	0	5.2	5.2	0	5.1	0	0	0	0
REF. NO.	IC8003																			
MODE	81	82	83	84																
EJECT	0	0	0	0																
REC	0	0	0	0																
REF. NO.	IC8004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EJECT	0.4	0.3	0	2.4	2.3	2.3	1.8	1.9	0	0	0	0	0	0	0	0	1.5	0	0	0
REC	0.4	0.3	0	2.4	2.3	2.1	1.8	1.9	0	0	0	0	0	0	0	0	1.5	0	5.2	0
REF. NO.	IC8004																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
EJECT	0	0	0	2.1	1.9	2.4	2.5	0	0	0	0	1.9	1.8	2.3	2.4	2.6	0.3	0		
REC	0	0	0	1.7	2.7	2.1	2.5	0	0	0	0	1.6	2.1	2.3	2.4	2.6	0.3	0		
REF. NO.	IC8005																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EJECT	0.4	0.3	0	2.4	3.3	1.6	1.0	0	0	0	0	0	0	0	0	0	1.5	0	5.2	0
REC	0.4	0.3	0	2.4	3.3	1.6	1.1	1.1	0	0	0	0	0	0	0	0	1.5	0	5.2	0
REF. NO.	IC8005																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
EJECT	0	0	0	0	1.0	1.7	3.8	0	0	0	0	1.3	0.9	1.6	3.8	2.6	0.3	0		
REC	0	0	0	1.3	1.2	1.8	3.8	0	0	0	0	1.1	1.0	1.8	3.7	2.6	0.3	0		
REF. NO.	IC8006																			
MODE	1	2	3	4	5	6	7	8												
EJECT	0.2	2.5	0	0	5.2	2.6	5.2	5.2												
REC	0.2	2.5	0	0	5.2	2.7	5.2	5.2												
REF. NO.	IC8011																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
EJECT	1.5	0	2.6	0	1.5	2.4	0	5.1	0	0	5.1	4.6	0	5.1						
REC	1.5	0	2.6	0	1.5	2.4	0	5.1	0	5.2	0	0.1	0	5.1						
REF. NO.	IC8012										IC8016									
MODE	1	2	3								I	G	O							
EJECT	0	5.1	5.1								11.5	0	5.0							
REC	0	5.1	5.1								11.5	0	5.0							

REF. NO.	IC8051					IC8052				
MODE	I	G	O			I	G	O		
EJECT	11.6	0	9.1			11.6	0	5.1		
REC	11.6	0	9.1			11.6	0	5.1		
REF. NO.	IC8053									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−5.0	0	0	0	9.1		
REC	0	0	0	−5.0	0	0	0	9.1		
REF. NO.	IC8054									
MODE	1	2	3	4	5	6	7	8		
EJECT	4.1	2.0	2.0	−5.0	0	0	0	9.1		
REC	4.1	2.0	2.0	−5.0	0	0	0	9.1		
REF. NO.	IC8055									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−5.0	0	0	3.6	9.1		
REC	0	0	0	−5.0	0	0	3.6	9.1		
REF. NO.	IC8056									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	1.1	1.3	0.9	1.7	3.8	2.0	1.9	2.4	2.4	0
REC	1.1	1.3	0.9	1.6	3.8	1.9	1.9	2.4	2.4	0
REF. NO.	IC8056									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	2.6	2.1	2.0	2.9	2.0	4.3	1.6	1.0	1.4	5.2
REC	2.6	2.1	2.1	2.9	2.0	4.3	1.6	1.0	1.4	5.2
REF. NO.	IC8057									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	4.8	2.7	4.1	5.1	4.2	0	5.1	4.8	0
REC	0	4.8	2.7	4.1	5.1	4.2	0	5.1	4.8	0
REF. NO.	IC8057									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	2.6	1.4	1.0	1.6	4.2	2.0	2.9	2.0	2.2	0
REC	2.6	1.4	1.0	1.7	4.3	2.0	2.8	1.8	2.2	0

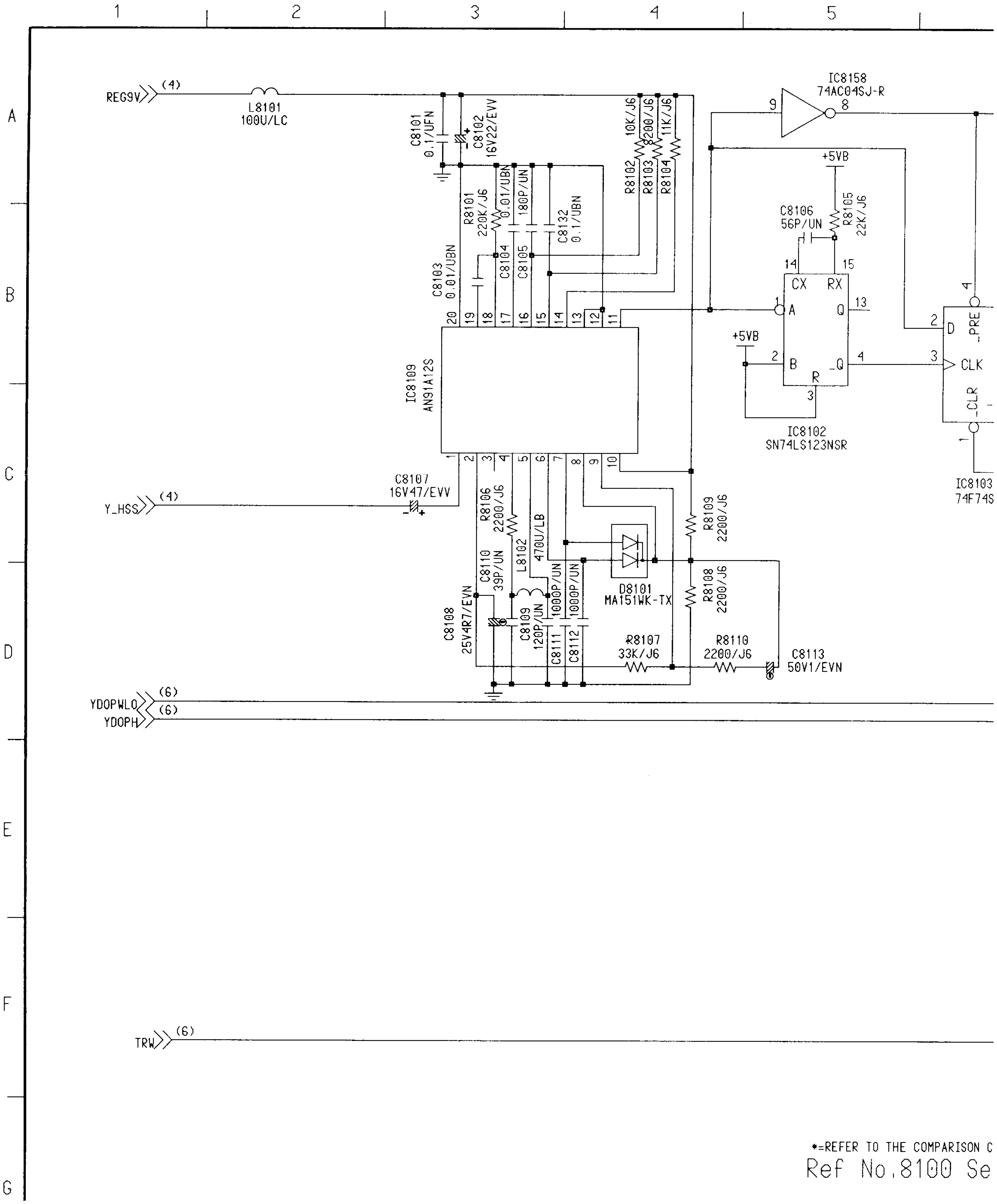
IC8001
CXD1175M

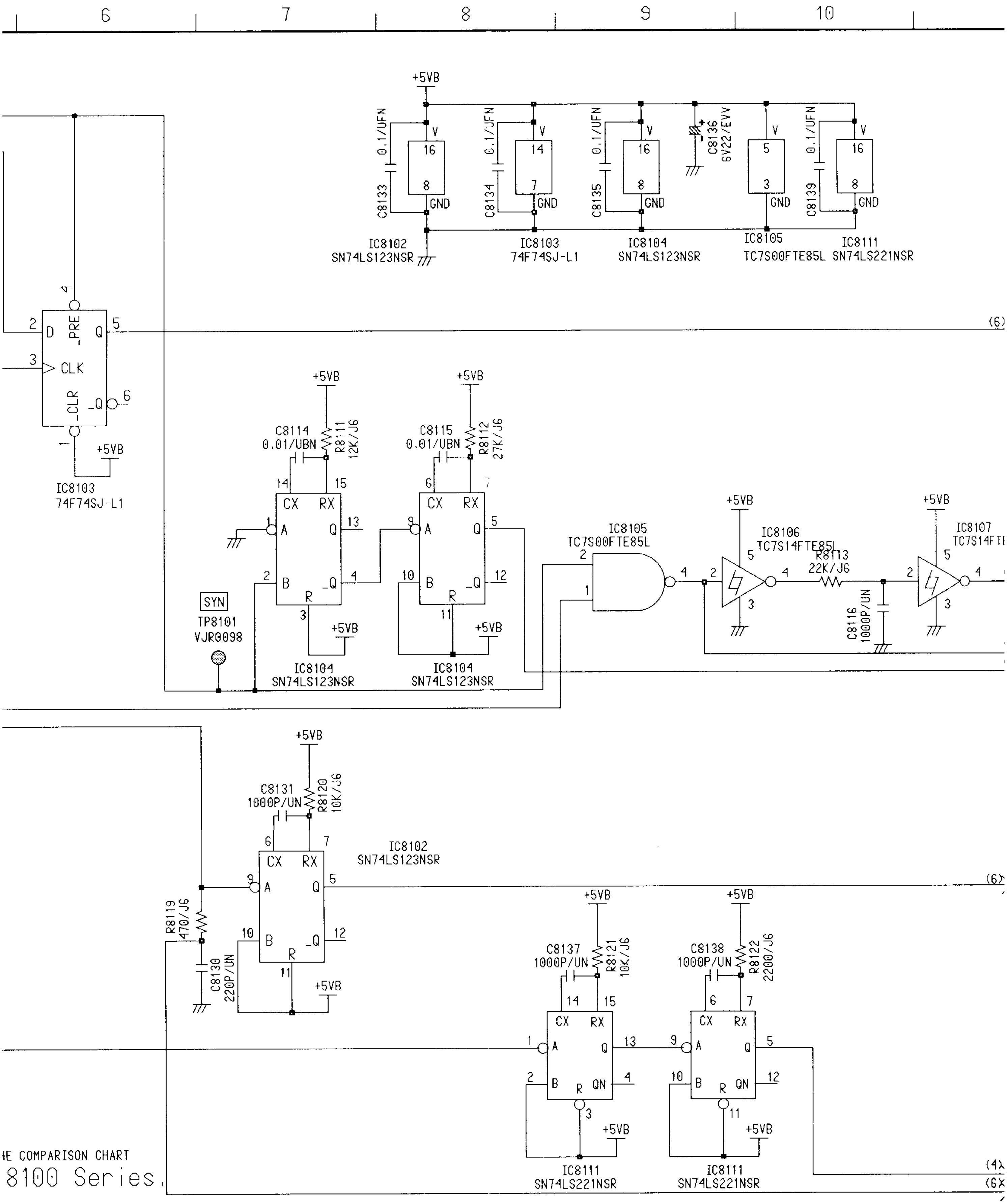

DVSS
VRB
VRBS
AVSS
AVSS
VIN
AVDD
VRT
VRTS
AVDD
AVDD
DVDD
24
23
22
21
20
19
18
17
16
15
14
13
REFERENCE REGULATOR
LSB SAMPLING COMPARATOR (4BIT)
LSB SAMPLING COMPARATOR (4BIT)
MSB SAMPLING COMPARATOR (4BIT)
LSB ENCODER (4BIT)
LSB ENCODER (4BIT)
MSB ENCODER (4BIT)
LSB DATA LATCH
MSB DATA LATCH
CLOCK GENERATOR
1
2
3
4
5
6
7
8
9
10
11
12
$\overline{OE}$
DVSS
D0 (LSB)
D1
D2
D3
D4
D5
D6
D7 (MSB)
DVDD
CLK

IC8012
MN1382-RTW


V 1
POWER VOLTAGE DET
V 2
OUTPUT CIRCUIT
+
-
+
-
3
2
1

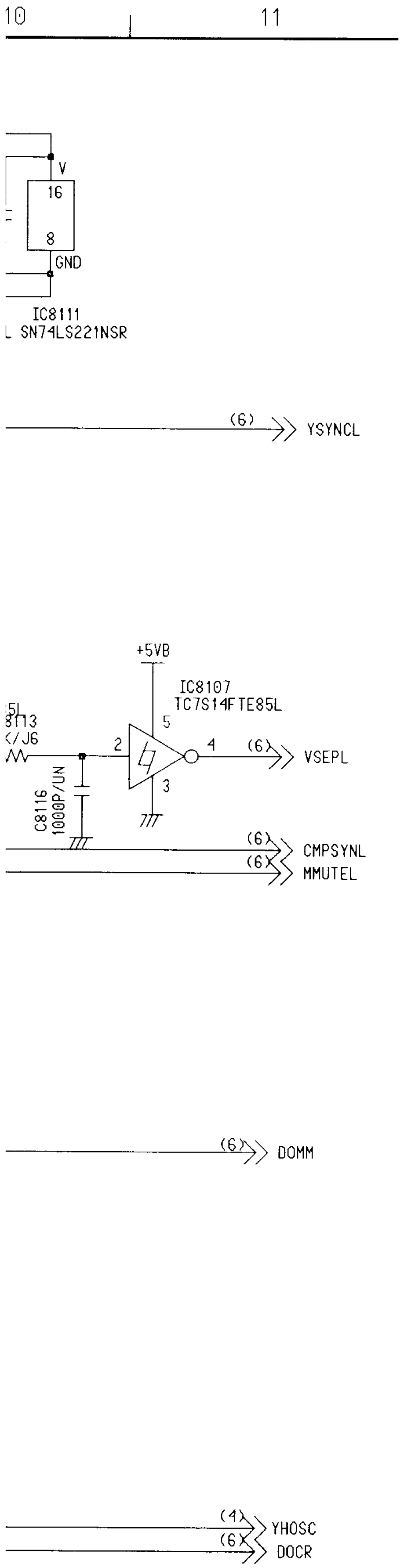
PB SYNC SEP SCHEMATIC DIAGRAM 2/9 (E11: Page CBA-9)


1
2
3
4
5
A
B
C
D
E
F
G
REG9V
(4)
L8101
100U/LC
C8101
0.1/UFN
C8102
16V22/EVV
R8102
10K/J6
R8103
8200/J6
R8104
11K/J6
R8101
220K/J6
C8104
0.01/UBN
C8105
180P/UN
C8132
0.1/UBN
C8103
0.01/UBN
IC8109
AN91A12S
IC8158
74AC04SJ-R
9
8
+5VB
C8106
56P/UN
R8105
22K/J6
14
15
CX
RX
A
Q
13
1
2
B
_Q
4
R
3
IC8102
SN74LS123NSR
D
_PRE
CLK
_CLR
IC8103
74F74S
Y_HSS
(4)
C8107
16V47/EVV
R8106
2200/J6
L8102
470U/LB
C8110
39P/UN
C8108
25V4R7/EVN
C8109
120P/UN
C8111
1000P/UN
C8112
1000P/UN
D8101
MA151WK-TX
R8109
2200/J6
R8108
2200/J6
R8107
33K/J6
R8110
2200/J6
C8113
50V1/EVN
YDOPWLO
(6)
YDOPH
(6)
TRW
(6)
*=REFER TO THE COMPARISON C
Ref No.8100 Se


6
7
8
9
10
+5VB
0.1/UFN
C8133
V
16
8
GND
IC8102
SN74LS123NSR
0.1/UFN
C8134
14
7
IC8103
74F74SJ-L1
0.1/UFN
C8135
IC8104
SN74LS123NSR
C8136
6V22/EVV
5
3
IC8105
TC7S00FTE85L
0.1/UFN
C8139
IC8111
SN74LS221NSR
D
_PRE
Q
CLK
_CLR
_Q
IC8103
74F74SJ-L1
(6)
C8114
0.01/UBN
R8111
12K/J6
C8115
0.01/UBN
R8112
27K/J6
CX
RX
A
B
R
SYN
TP8101
VJR0098
IC8104
SN74LS123NSR
IC8104
SN74LS123NSR
IC8105
TC7S00FTE85L
IC8106
TC7S14FTE85L
R8113
22K/J6
C8116
1000P/UN
IC8107
TC7S14FT
C8131
1000P/UN
R8120
10K/J6
IC8102
SN74LS123NSR
R8119
470/J6
C8130
220P/UN
C8137
1000P/UN
R8121
10K/J6
C8138
1000P/UN
R8122
2200/J6
QN
IC8111
SN74LS221NSR
IC8111
SN74LS221NSR
(4)
(6)

IE COMPARISON CHART

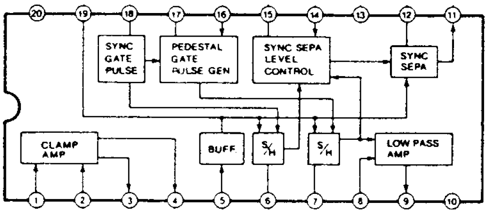
8100 Series.


10
11
V
16
8
GND
IC8111
SN74LS221NSR
(6)
YSYNCL
+5VB
IC8107
TC7S14FTE85L
8113
5
2
4
3
(6)
VSEPL
C8116
1000P/UN
(6)
CMPSYNL
(6)
MMUTEL
(6)
DOMM
(4)
YHOSC
(6)
DOCR

PB SYNC SEP DC VOLTAGE CHART

REF. NO.	IC8102									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	4.8	5.1	5.1	4.5	0.1	0	1.6	0	0	5.1
REC	4.8	5.1	5.1	4.5	0.1	0	1.6	0	0	5.1
REF. NO.	IC8102									
MODE	11	12	13	14	15	16				
EJECT	5.1	4.6	0.1	0	1.3	5.1				
REC	5.1	4.6	0.1	0	1.3	5.1				
REF. NO.	IC8103									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	5.1	4.9	4.5	0	4.3	0.5	0	1.8	1.8	5.1
REC	5.1	4.8	4.5	0.4	4.3	0.5	0	1.7	1.7	5.1
REF. NO.	IC8103									
MODE	11	12	13	14						
EJECT	2.7	1.8	5.1	5.1						
REC	2.8	1.7	5.1	5.1						
REF. NO.	IC8104									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	0.4	5.1	1.8	5.0	0	1.2	0	1.8	5.1
REC	0	0.4	5.1	1.8	5.0	0	1.2	0	1.8	5.1
REF. NO.	IC8104									
MODE	11	12	13	14	15	16				
EJECT	5.1	0.2	2.8	0	1.5	5.1				
REC	5.1	0.2	2.8	0	1.5	5.1				
REF. NO.	IC8105									
MODE	1	2	3	4	5					
EJECT	5.2	2.4	0	4.7	5.1					
REC	5.2	0.4	0	4.7	5.1					
REF. NO.	IC8106									
MODE	1	2	3	4	5					
EJECT	0	4.7	0	0.4	5.1					
REC	0	4.7	0	0.4	5.1					
REF. NO.	IC8107									
MODE	1	2	3	4	5					
EJECT	0	0.4	0	5.0	5.1					
REC	0	0.4	0	5.0	5.1					
REF. NO.	IC8109									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	3.8	4.1	5.2	5.9	5.9	3.4	4.5	4.5	4.2	8.9
REC	3.8	4.1	5.2	5.9	5.9	3.4	4.5	4.5	4.2	8.9
REF. NO.	IC8109									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	4.9	0	0	8.0	8.0	7.1	6.7	4.0	5.9	0
REC	4.9	0	0	8.0	8.0	7.1	6.7	4.0	5.9	0
REF. NO.	IC8111									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	2.6	5.1	5.1	3.9	0.2	4.9	1.2	0	0.6	5.1
REC	2.6	5.1	5.1	3.9	0.2	4.9	1.2	0	0.6	5.1
REF. NO.	IC8111									
MODE	11	12	13	14	15	16				
EJECT	5.1	4.3	0.6	4.5	0.6	5.1				
REC	5.1	4.3	0.6	4.5	0.6	5.1				

IC8109
AN91A12S


20
19
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13
12
11
SYNC GATE PULSE
PEDESTAL GATE PULSE GEN
SYNC SEPA LEVEL CONTROL
SYNC SEPA
CLAMP AMP
BUFF
S/H
S/H
LOW PASS AMP
1
2
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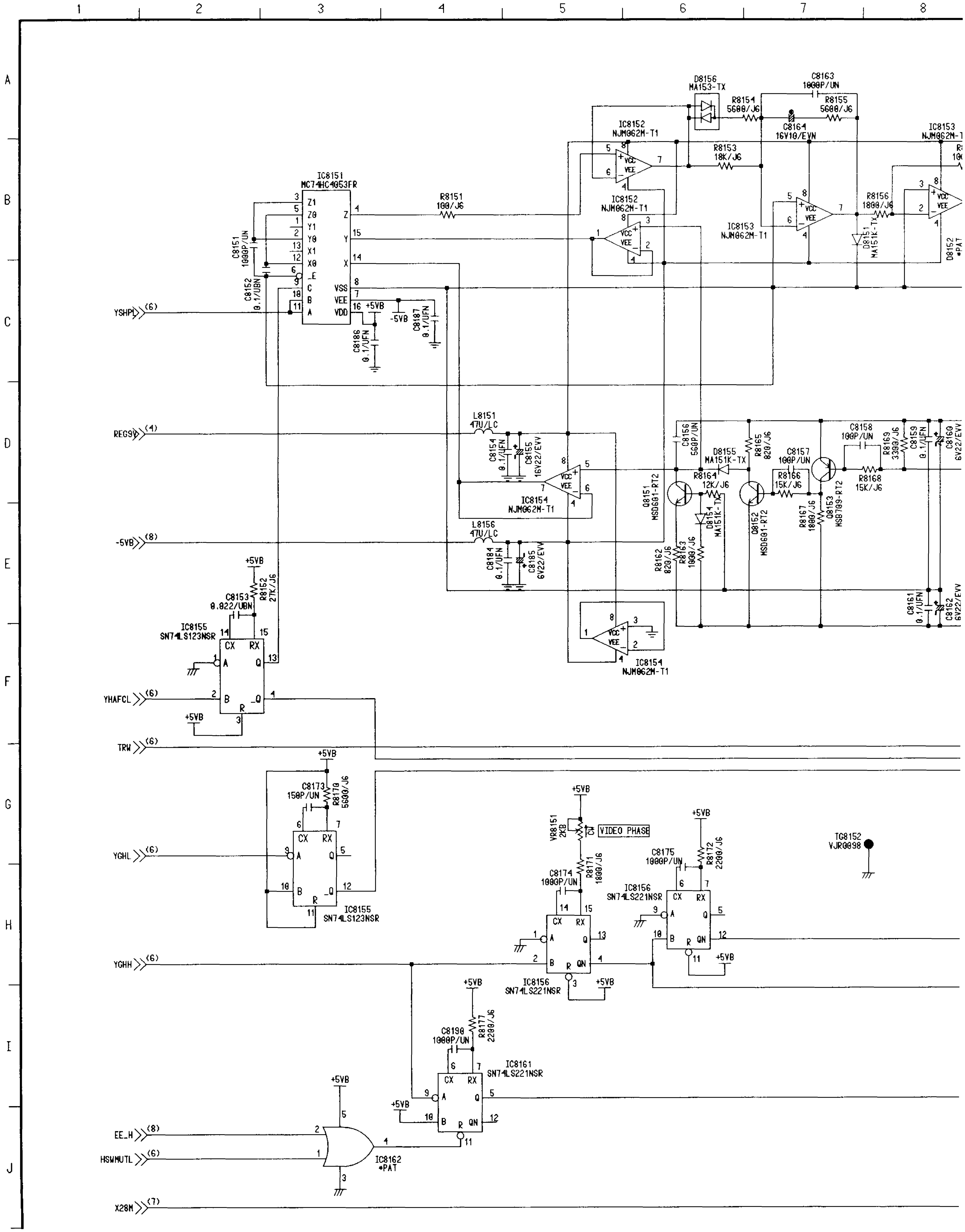
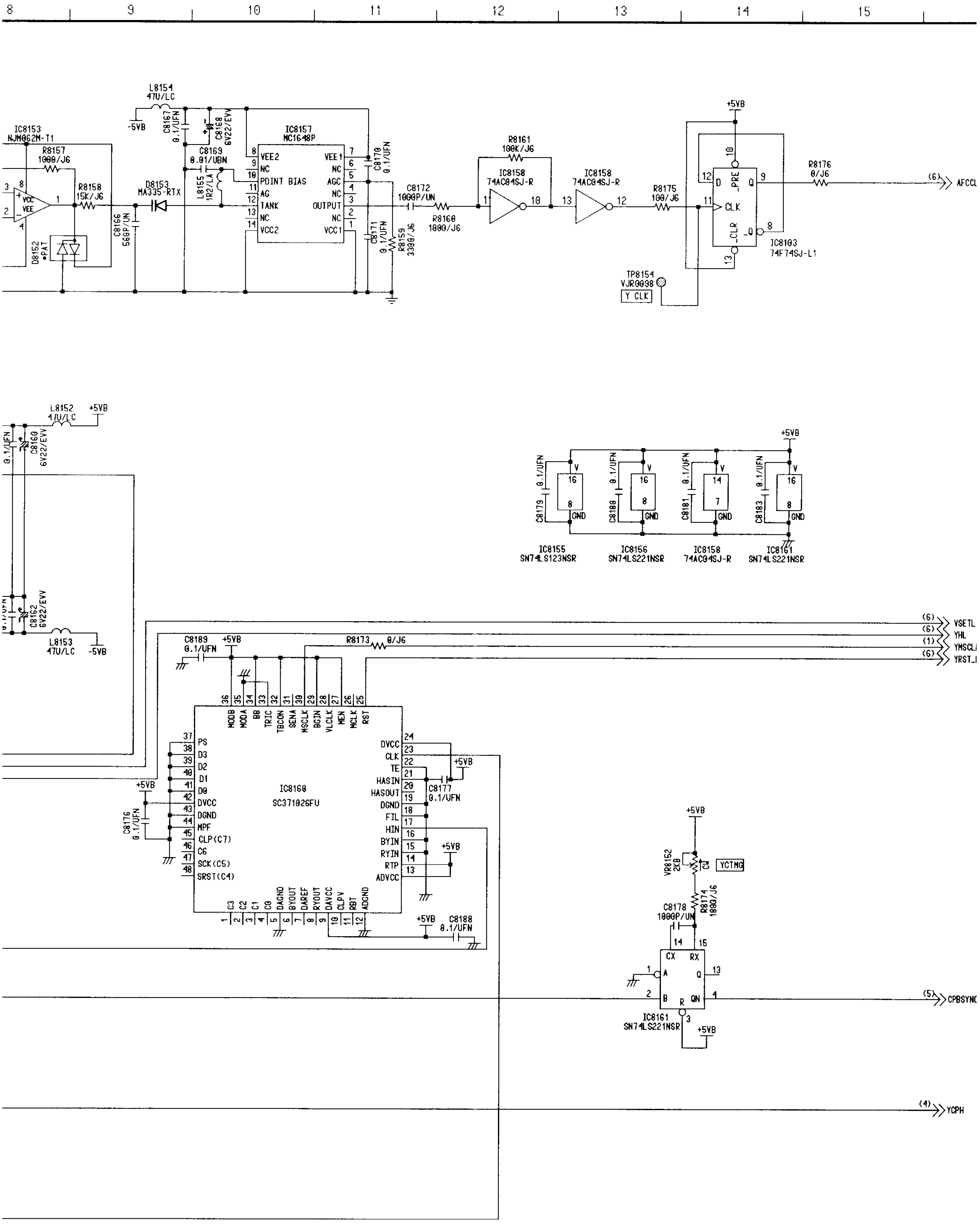
4
5
6
7
8
9
10

WRITE PLL SCHEMATIC DIAGRAM 3/9 (E11: Page CBA-9)



1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
I
J
IC8151
MC74HC4053FR
Z1
Z0
Y1
Y0
X1
X0
_E
C
B
A
Z
Y
X
VSS
VEE
VDD
C8151
1000P/UN
C8152
0.1/UBN
YSHPL (6)
+5VB
-5VB
C8186
0.1/UFN
C8187
0.1/UFN
R8151
100/J6
IC8152
NJM062M-T1
D8156
MA153-TX
R8154
5600/J6
C8163
1000P/UN
R8155
5600/J6
C8164
16V10/EVN
R8153
18K/J6
IC8153
NJM062M-T1
R8156
1800/J6
D8151
MA151K-TX
D8152
*PAT
VCC
VEE
REG9V (4)
L8151
47U/LC
C8154
0.1/UFN
C8155
16V22/EVV
IC8154
NJM062M-T1
-5VB (8)
L8156
47U/LC
C8184
0.1/UFN
C8185
6V22/EVV
C8156
560P/UN
D8155
MA151K-TX
R8165
820/J6
C8157
100P/UN
C8158
100P/UN
R8169
3300/J6
C8159
0.1/UFN
C8160
6V22/EVV
R8164
12K/J6
R8166
15K/J6
R8168
15K/J6
Q8151
MSD601-RT2
D8154
MA151K-TX
Q8152
MSD601-RT2
R8167
1800/J6
Q8153
MSB709-RT2
R8162
820/J6
R8163
1000/J6
C8161
0.1/UFN
C8162
6V22/EVV
C8153
0.022/UBN
R8152
27K/J6
IC8155
SN74LS123NSR
CX
RX
Q
_Q
R
YHAFCL (6)
TRW (6)
C8173
150P/UN
R8170
5600/J6
YGHL (6)
VR8151
2KB
VIDEO PHASE
C8174
1000P/UN
R8171
1800/J6
IC8156
SN74LS221NSR
QN
C8175
1000P/UN
R8172
2200/J6
TG8152
VJR0098
YGHH (6)
C8190
1000P/UN
R8177
2200/J6
IC8161
SN74LS221NSR
EE_H (8)
HSWMUTL (6)
IC8162
*PAT
X28M (7)


8
9
10
11
12
13
14
15
IC8153
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R8157
1000/J6
R8158
15K/J6
D8152
PAT
L8154
47U/LC
-5VB
C8167
0.1/UFN
C8168
6V22/EVV
C8169
0.01/UBN
L8155
1R2/LA
D8153
MA335-RTX
C8166
560P/UN
IC8157
MC1648P
VEE2
NC
PDINT BIAS
AG
TANK
VCC2
VEE1
AGC
OUTPUT
VCC1
C8170
0.1/UFN
C8171
0.1/UFN
C8172
1000P/UN
R8159
330/J6
R8160
1000/J6
R8161
100K/J6
IC8158
74AC04SJ-R
R8175
100/J6
+5VB
IC8103
74F74SJ-L1
D
PRE
Q
CLK
CLR
R8176
0/J6
(6) AFCCL
TP8154
VJR0098
Y CLK
L8152
47U/LC
C8160
6V22/EVV
C8162
6V22/EVV
L8153
47U/LC
C8179
C8180
C8181
C8183
0.1/UFN
GND
IC8155
SN74LS123NSR
IC8156
SN74LS221NSR
IC8158
74AC04SJ-R
IC8161
SN74LS221NSR
(6) VSETL
(6) YHL
(1) YMSCL
(6) YRST_
C8189
0.1/UFN
R8173
0/J6
IC8160
SC371026FU
MODB
MODA
BB
TRIC
TBCON
SENA
MSCLK
BGIN
VLCLK
MEN
MCLK
RST
PS
D3
D2
D1
D0
DVCC
DGND
MPF
CLP(C7)
C6
SCK(C5)
SRST(C4)
CLK
TE
HASIN
HASOUT
FIL
HIN
BYIN
RYIN
RTP
ADVCC
C3
C2
C1
C0
DAGND
BYOUT
DAREF
RYOUT
DAVCC
CLPV
RBT
ADGND
C8176
0.1/UFN
C8177
0.1/UFN
C8188
0.1/UFN
VR8152
2KB
YCTMG
R8174
1000/J6
C8178
1000P/UN
CX
RX
A
B
R
Q
QN
IC8161
SN74LS221NSR
(5) CPBSYNC
(4) YCPH

Ref NO.8100 Series.

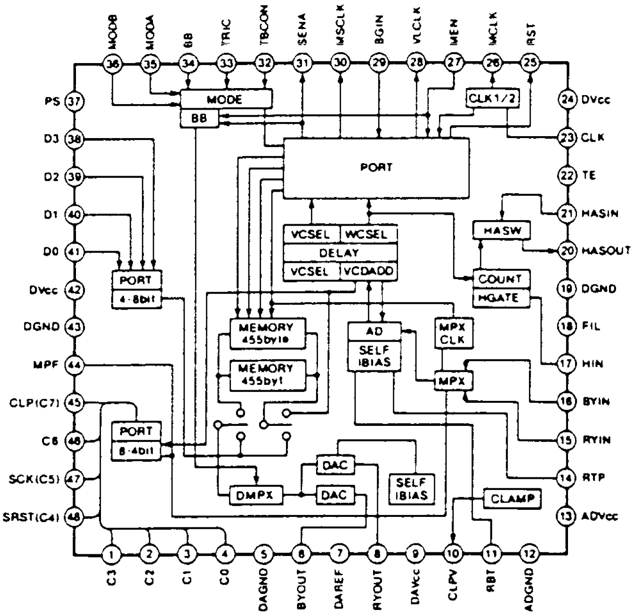
WRITE PLL DC VOLTAGE CHART

(6) AFCCLK
(6) VSETL
(6) YHL
(1) YNSCLK
(6) YRST_L
(5) CPBSYNC_L
(4) YCPH

REF. NO.	IC8151									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0.5	0	0	0	0	0	−5.0	0	4.6	5.1
REC	0.5	0	0	0	0	0	−5.0	0	4.5	5.1
REF. NO.	IC8151									
MODE	11	12	13	14	15	16				
EJECT	5.1	0	0.5	0.5	0.5	5.1				
REC	5.1	0	0.5	0.5	0.5	5.1				
REF. NO.	IC8152									
MODE	1	2	3	4	5	6	7	8		
EJECT	0.5	0.5	0.7	−5.0	0	0	0	9.0		
REC	0.5	0.5	0.7	−5.0	0	0	0	9.0		
REF. NO.	IC8153									
MODE	1	2	3	4	5	6	7	8		
EJECT	1.0	0	0	−5.0	0	0	−1.8	9.0		
REC	1.0	0	0	−5.0	0	0	−1.8	9.0		
REF. NO.	IC8154									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−5.0	0.7	0.5	0.5	9.0		
REC	0	0	0	−5.0	0.7	0.5	0.5	9.0		
REF. NO.	IC8155									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	5.1	5.1	0.2	0.1	0	1.9	0	4.9	5.1
REC	0	5.1	5.1	0.2	0.1	0	1.8	0	4.9	5.1
REF. NO.	IC8155									
MODE	11	12	13	14	15	16				
EJECT	5.1	4.5	4.5	0	1.0	5.1				
REC	5.1	4.5	4.5	0	1.0	5.1				
REF. NO.	IC8156									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	0.3	5.1	4.3	0.2	4.9	1.2	0	0	4.3
REC	0	0.3	5.1	4.3	0.2	4.9	1.2	0	0	4.3
REF. NO.	IC8156									
MODE	11	12	13	14	15	16				
EJECT	5.1	4.3	0.2	4.9	1.2	5.1				
REC	51.	4.3	0.2	4.9	1.2	5.1				
REF. NO.	IC8157									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	0	−1.2	0	−3.6	0	−5.0	−5.0	0	−3.4
REC	0	0	−1.2	0	−3.6	0	−5.0	−5.0	0	−3.4
REF. NO.	IC8157									
MODE	11	12	13	14						
EJECT	0	−3.4	0	0						
REC	0	−3.4	0	0						
REF. NO.	IC8158									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	4.9	0	2.5	2.5	0.4	4.7	0	0.4	4.9	2.8
REC	4.9	0	2.5	2.5	0.4	4.7	0	0.4	4.9	2.7
REF. NO.	IC8158									
MODE	11	12	13	14						
EJECT	2.5	2.9	2.8	5.1						
REC	2.5	2.8	2.7	5.1						
REF. NO.	IC8160									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	0	0	0	0	0.4	1.6	0.4	5.1	3.5
REC	0	0	0	0	0	0.4	1.6	0.4	5.1	3.5
REF. NO.	IC8160									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	2.1	0	5.1	5.1	0	0	4.3	0	0	0
REC	2.1	0	5.1	5.1	0	0	4.3	0	0	0
REF. NO.	IC8160									
MODE	21	22	23	24	25	26	27	28	29	30
EJECT	0	0	2.7	5.1	3.8	1.5	5.1	1.5	5.1	1.5
REC	0	0	2.8	5.1	3.7	1.5	5.1	1.5	5.1	1.5
REF. NO.	IC8160									
MODE	31	32	33	34	35	36	37	38	39	40
EJECT	0.2	5.1	0	5.1	0	5.1	0	0	0	0
REC	0.2	5.1	0	5.1	0	5.1	0	0	0	0
REF. NO.	IC8160									
MODE	41	42	43	44	45	46	47	48		
EJECT	0	5.1	0	0	0.1	0	1.4	3.9		
REC	0	5.1	0	0	0.1	0.1	1.5	3.7		

REF. NO.	IC8161									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	4.3	5.1	4.3	0.2	4.9	1.2	0	0.3	5.1
REC	0	4.3	5.1	4.3	0.2	4.9	1.2	0	0.3	5.1
REF. NO.	IC8161									
MODE	11	12	13	14	15	16				
EJECT	1.5	4.3	0.2	4.9	1.0	5.1				
REC	1.7	4.3	0.2	4.9	1.0	5.1				
REF. NO.	Q8151			Q8152			Q8153			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	−4.7	0.7	−4.2	−5.0	−0.2	−4.6	5.1	0.1	4.7	
REC	−4.7	0.7	−4.2	−5.0	−0.2	−4.6	5.1	0.1	4.7	

IC8160
SC371026FU


MODB
MODA
BB
TRIC
TBCON
SENA
MSCLK
BGIN
VLCLK
MEN
MCLK
RST
36
35
34
33
32
31
30
29
28
27
26
25
PS 37
D3 38
D2 39
D1 40
D0 41
DVcc 42
DGND 43
MPF 44
CLP(C7) 45
C6 46
SCK(C5) 47
SRST(C4) 48
24 DVcc
23 CLK
22 TE
21 HASIN
20 HASOUT
19 DGND
18 FIL
17 HIN
16 BYIN
15 RYIN
14 RTP
13 ADVcc
MODE
BB
CLK1/2
PORT
HASW
VCSEL
WCSEL
DELAY
VCSEL
VCDADD
COUNT
HGATE
PORT
4·8bit
MEMORY
455byte
MEMORY
455byt
AD
SELF
IBIAS
MPX
CLK
MPX
PORT
8·4bit
DAC
DMPX
DAC
SELF
IBIAS
CLAMP
1
2
3
4
5
6
7
8
9
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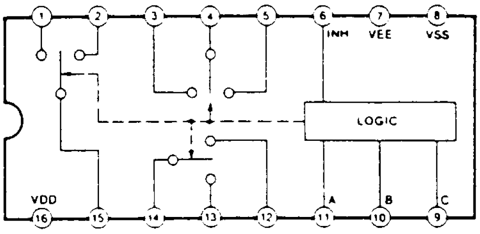
11
12
C3
C2
C1
C0
DAGND
BYOUT
DAREF
RYOUT
DAVcc
CLPV
RBT
ADGND

IC8151
MC74HC4053FR


1
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INH
VEE
VSS
LOGIC
VDD
A
B
C
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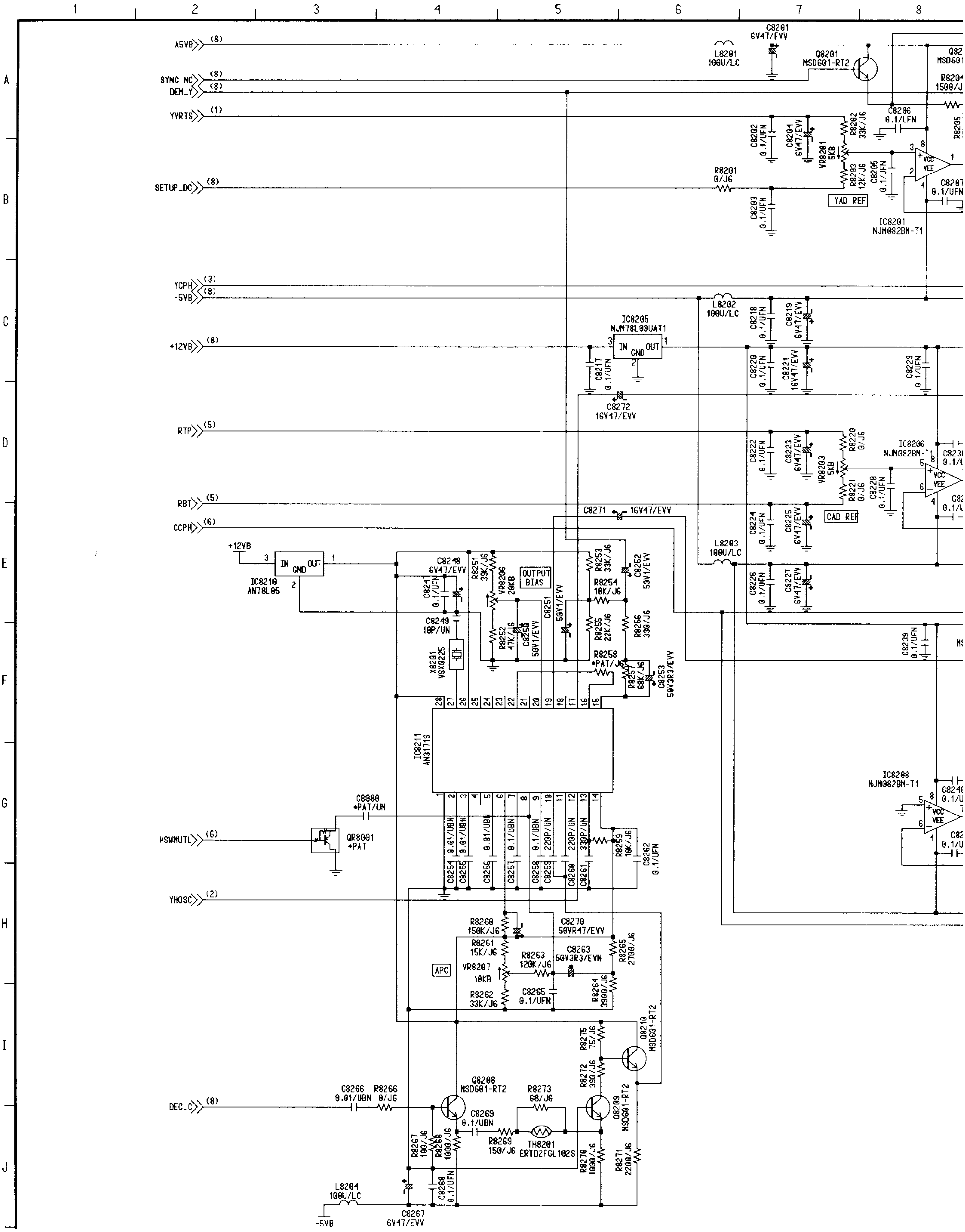
ries.

CLAMP & AMP SCHEMATIC DIAGRAM 4/9 (E11: Page CBA-9)



1
2
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6
7
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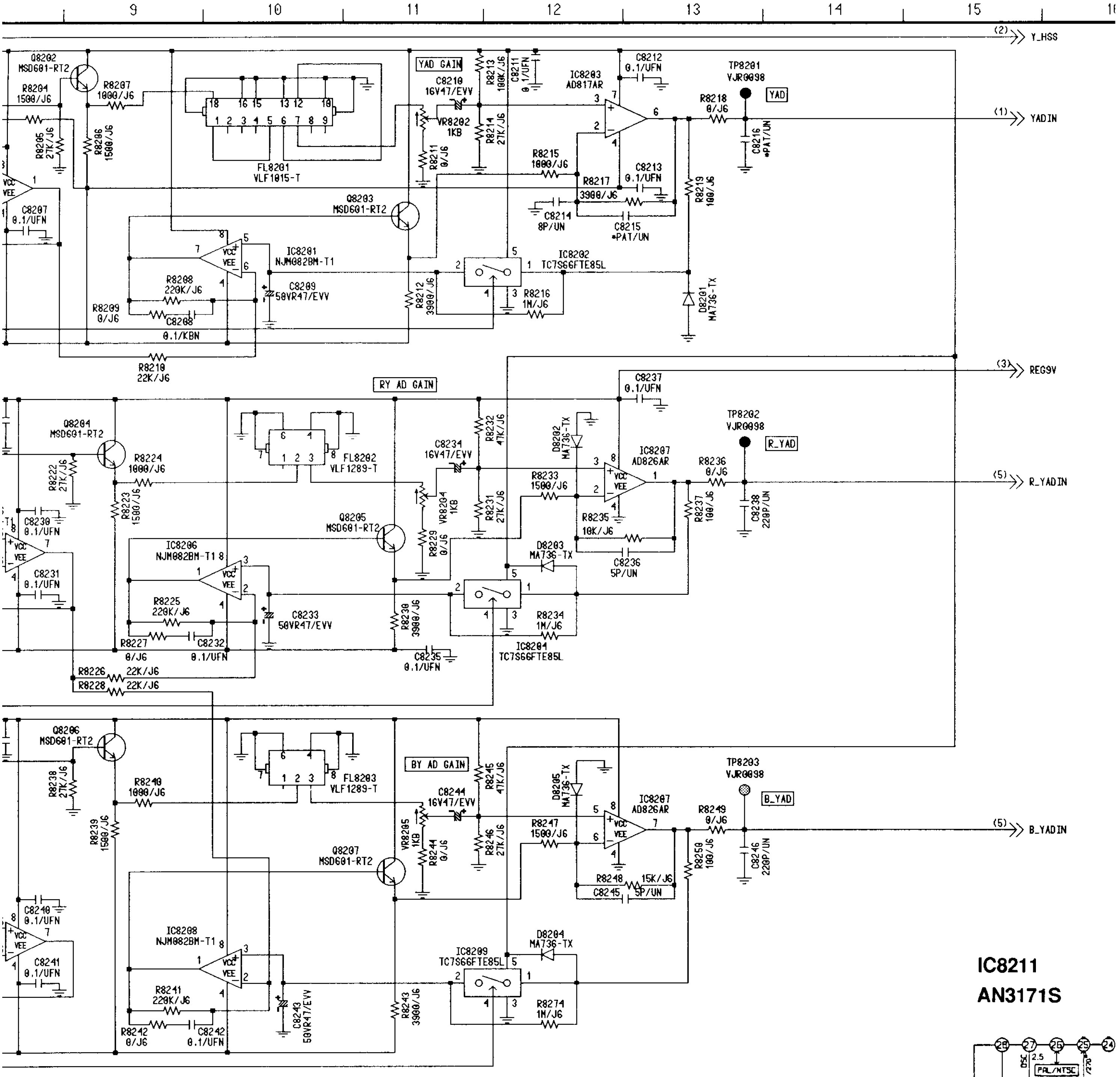
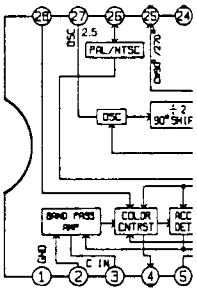
A
B
C
D
E
F
G
H
I
J
A5VB (8)
SYNC_NC (8)
DEM_Y (8)
YVRTS (1)
SETUP_DC (8)
YCPH (3)
-5VB (8)
+12VB (8)
RTP (5)
RBT (5)
CCPH (6)
HSWMUTL (6)
YHOSC (2)
DEC_C (8)
L8201 100U/LC
C8201 6V47/EVV
Q8201 MSD601-RT2
R8204 1500/J
C8206 0.1/UFN
C8202 0.1/UFN
C8204 6V47/EVV
R8202 33K/J6
VR8201 5KB
R8203 12K/J6
C8205 0.1/UFN
R8201 0/J6
C8203 0.1/UFN
YAD REF
C8207 0.1/UFN
IC8201 NJM082BM-T1
L8202 100U/LC
C8218 0.1/UFN
C8219 6V47/EVV
IC8205 NJM78L09UAT1
IN GND OUT
C8217 0.1/UFN
C8272 16V47/EVV
C8220 0.1/UFN
C8221 16V47/EVV
C8229 0.1/UFN
C8222 0.1/UFN
C8223 6V47/EVV
R8220 0/J6
VR8203 5KB
R8221 0/J6
C8228 0.1/UFN
IC8206 NJM082BM-T1
CAD REF
C8271 16V47/EVV
L8203 100U/LC
C8224 0.1/UFN
C8225 6V47/EVV
C8226 0.1/UFN
C8227 6V47/EVV
C8239 0.1/UFN
+12VB
IC8210 AN78L05
C8248 6V47/EVV
C8247 0.1/UFN
R8251 39K/J6
VR8206 20KB
OUTPUT BIAS
C8249 10P/UN
X8201 VSX0225
R8252 47K/J6
C8250 50V1/EVV
C8251 50V1/EVV
R8253 33K/J6
C8252 50V1/EVV
R8254 10K/J6
R8255 22K/J6
R8256 330/J6
R8258 *PAT/J6
R8257 68K/J6
C8253 50V3R3/EVV
IC8211 AN3171S
C8080 *PAT/UN
QR8001 *PAT
C8254 0.01/UBN
C8255 0.01/UBN
C8256 0.01/UBN
C8257 0.1/UBN
C8258 0.1/UBN
C8259 220P/UN
C8260 220P/UN
C8261 330P/UN
R8259 10K/J6
C8262 0.1/UFN
IC8208 NJM082BM-T1
C8240 0.1/U
R8260 150K/J6
C8270 50VR47/EVV
R8261 15K/J6
R8263 120K/J6
C8263 50V3R3/EVN
R8265 2700/J6
APC
VR8207 10KB
R8262 33K/J6
C8265 0.1/UFN
R8264 3900/J6
R8275 75/J6
Q8210 MSD601-RT2
R8272 390/J6
C8266 0.01/UBN
R8266 0/J6
Q8208 MSD601-RT2
R8273 68/J6
Q8209 MSD601-RT2
C8269 0.1/UBN
R8269 150/J6
TH8201 ERTD2FGL102S
R8267 100/J6
R8268 1000/J6
R8270 1000/J6
R8271 2200/J6
C8268 0.1/UFN
L8204 100U/LC
-5VB
C8267 6V47/EVV

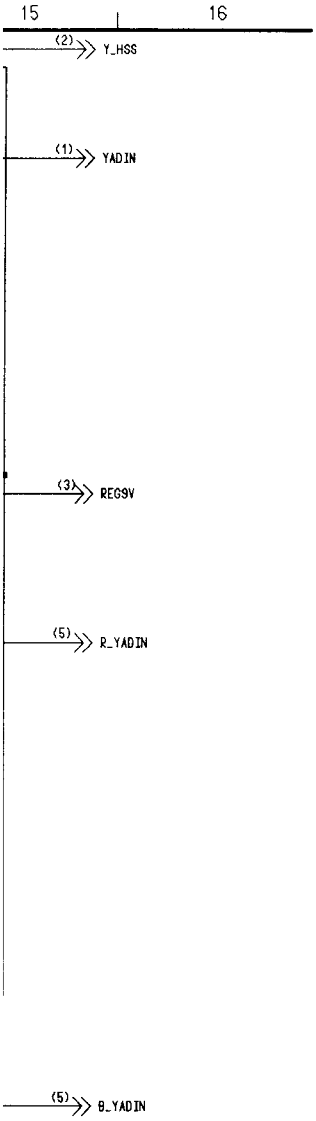

9
10
11
12
13
14
15
(2) Y_HSS
(1) YADIN
(3) REG9V
(5) R_YADIN
(5) B_YADIN
YAD GAIN
RY AD GAIN
BY AD GAIN
YAD
R_YAD
B_YAD
Q8202 MSD601-RT2
Q8203 MSD601-RT2
Q8204 MSD601-RT2
Q8205 MSD601-RT2
Q8206 MSD601-RT2
Q8207 MSD601-RT2
FL8201 VLF1015-T
FL8202 VLF1289-T
FL8203 VLF1289-T
IC8201 NJM082BM-T1
IC8202 TC7S66FTE85L
IC8203 AD817AR
IC8204 TC7S66FTE85L
IC8206 NJM082BM-T1
IC8207 AD826AR
IC8208 NJM082BM-T1
IC8209 TC7S66FTE85L
TP8201 VJR0098
TP8202 VJR0098
TP8203 VJR0098
VR8202 1KB
VR8204 1KB
VR8205 1KB
D8201 MA736-TX
D8202 MA736-TX
D8203 MA736-TX
D8204 MA736-TX
D8205 MA736-TX
R8204 1500/J6
R8205 27K/J6
R8206 1500/J6
R8207 1000/J6
R8208 220K/J6
R8209 0/J6
R8210 22K/J6
R8211 0/J6
R8212 3900/J6
R8213 100K/J6
R8214 27K/J6
R8215 1000/J6
R8216 1M/J6
R8217 3900/J6
R8218 0/J6
R8219 100/J6
R8222 27K/J6
R8223 1500/J6
R8224 1000/J6
R8225 220K/J6
R8226 22K/J6
R8227 0/J6
R8228 22K/J6
R8229 0/J6
R8230 3900/J6
R8231 27K/J6
R8232 47K/J6
R8233 1500/J6
R8234 1M/J6
R8235 10K/J6
R8236 0/J6
R8237 100/J6
R8238 27K/J6
R8239 1500/J6
R8240 1000/J6
R8241 220K/J6
R8242 0/J6
R8243 3900/J6
R8244 0/J6
R8245 47K/J6
R8246 27K/J6
R8247 1500/J6
R8248 15K/J6
R8249 0/J6
R8250 100/J6
R8274 1M/J6
C8207 0.1/UFN
C8208 0.1/KBN
C8209 50VR47/EVV
C8210 16V47/EVV
C8211 0.1/UFN
C8212 0.1/UFN
C8213 0.1/UFN
C8214 8P/UN
C8215 *PAT/UN
C8216 *PAT/UN
C8230 0.1/UFN
C8231 0.1/UFN
C8232 0.1/UFN
C8233 50VR47/EVV
C8234 16V47/EVV
C8235 0.1/UFN
C8236 5P/UN
C8237 0.1/UFN
C8238 220P/UN
C8240 0.1/UFN
C8241 0.1/UFN
C8242 0.1/UFN
C8243 50VR47/EVV
C8244 16V47/EVV
C8245 5P/UN
C8246 220P/UN
VCC
VEE

IC8211
AN3171S


28
27
26
25
24
OSC
2.5
PAL/NTSC
OSC
90° SHIF
BAND PASS AMP
COLOR CNTRST
ACC DET
GND
C IN
1
2
3
4
5

*=REFER TO THE COMPARISON CHART

Ref No.8200 Series.


15
16
(2) Y_HSS
(1) YADIN
(3) REG9V
(5) R_YADIN
(5) B_YADIN

CLAMP & AMP DC VOLTAGE CHART

REF. NO.	IC8201									
MODE	1	2	3	4	5	6	7	8		
EJECT	0.7	0.7	0.7	−4.9	0.8	0.8	1.5	4.9		
REC	0.7	0.7	0.7	−4.9	0.8	0.8	1.5	4.8		

REF. NO.	IC8202									
MODE	1	2	3	4	5					
EJECT	1.2	0.8	0	0.2	4.9					
REC	1.2	0.8	0	0.2	4.8					

REF. NO.	IC8203									
MODE	1	2	3	4	5	6	7	8		
EJECT	−4.7	1.0	1.0	−4.9	0	1.2	4.9	−4.7		
REC	−4.7	1.0	1.0	−4.9	0	1.2	4.8	−4.7		

REF. NO.	IC8204									
MODE	1	2	3	4	5					
EJECT	3.6	3.5	0	0.1	4.8					
REC	3.6	3.5	0	0.1	4.8					

REF. NO.	IC8205									
MODE	I	G	O							
EJECT	11.6	0	9.0							
REC	11.5	0	9.0							

REF. NO.	IC8206									
MODE	1	2	3	4	5	6	7	8		
EJECT	3.8	3.5	3.5	−4.9	3.5	3.5	3.5	9.0		
REC	3.8	3.5	3.5	−4.9	3.5	3.5	3.5	9.0		

REF. NO.	IC8207									
MODE	1	2	3	4	5	6	7	8		
EJECT	3.6	3.2	3.2	0	3.2	3.2	3.5	9.0		
REC	3.6	3.2	3.2	0	3.2	3.2	3.5	9.0		

REF. NO.	IC8208									
MODE	1	2	3	4	5	6	7	8		
EJECT	3.8	3.5	3.5	−4.9	0	0	0	9.0		
REC	3.8	3.5	3.5	−4.9	0	0	0	9.0		

REF. NO.	IC8209									
MODE	1	2	3	4	5					
EJECT	3.5	3.5	0	0.1	4.8					
REC	3.5	3.5	0	0.1	4.8					

REF. NO.	IC8210									
MODE	I	G	O							
EJECT	11.5	0	5.1							
REC	11.5	0	5.1							

REF. NO.	IC8211									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	1.1	2.6	2.7	0	4.7	3.0	3.1	4.1	3.5
REC	0	1.0	2.5	2.7	0	4.7	3.0	3.1	4.1	3.5

REF. NO.	IC8211									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	3.4	0.2	4.5	5.1	3.4	0.5	3.3	0	3.3	2.8
REC	3.5	0.2	4.5	5.1	3.4	0.5	3.3	0	3.3	2.8

REF. NO.	IC8211									
MODE	21	22	23	24	25	26	27	28		
EJECT	0	0	2.9	0	2.9	5.1	2.5	5.1		
REC	0	0	3.0	0	3.0	5.1	2.5	5.1		

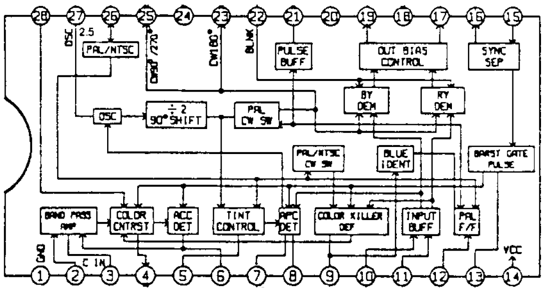
REF. NO.	Q8201			Q8202			Q8203			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0.3	4.8	1.0	0.4	4.8	1.0	0.9	4.8	1.5	
REC	0.3	4.8	0.9	0.4	4.8	1.0	0.9	4.8	1.5	

REF. NO.	Q8204			Q8205			Q8206			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	−0.8	9.0	−0.2	3.2	9.0	3.8	−0.8	9.0	−0.2	
REC	−0.8	9.0	−0.2	3.2	9.0	3.8	−0.8	9.0	−0.2	

REF. NO.	Q8207			Q8208			Q8209			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	3.2	9.0	3.8	−0.6	5.1	0	−0.6	3.0	0	
REC	3.2	9.0	3.8	−0.7	5.1	0	−0.7	3.0	0	

REF. NO.	Q8210									
MODE	E	C	B							
EJECT	4.1	5.1	4.7							
REC	4.1	5.1	4.7							

IC8211
AN3171S


28
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19
18
17
16
15
OSC
2.5
PAL/NTSC
DRAD°/270
CW180°
BLNK
PULSE BUFF
OUT BIAS CONTROL
SYNC SEP
BY DEM
RY DEM
OSC
÷ 2 90° SHIFT
PAL CW SW
PAL/NTSC CW SW
BLUE IDENT
BARST GATE PULSE
BAND PASS AMP
COLOR CNTRST
ACC DET
TINT CONTROL
APC DET
COLOR KILLER DEF
INPUT BUFF
PAL F/F
GND
C IN
VCC
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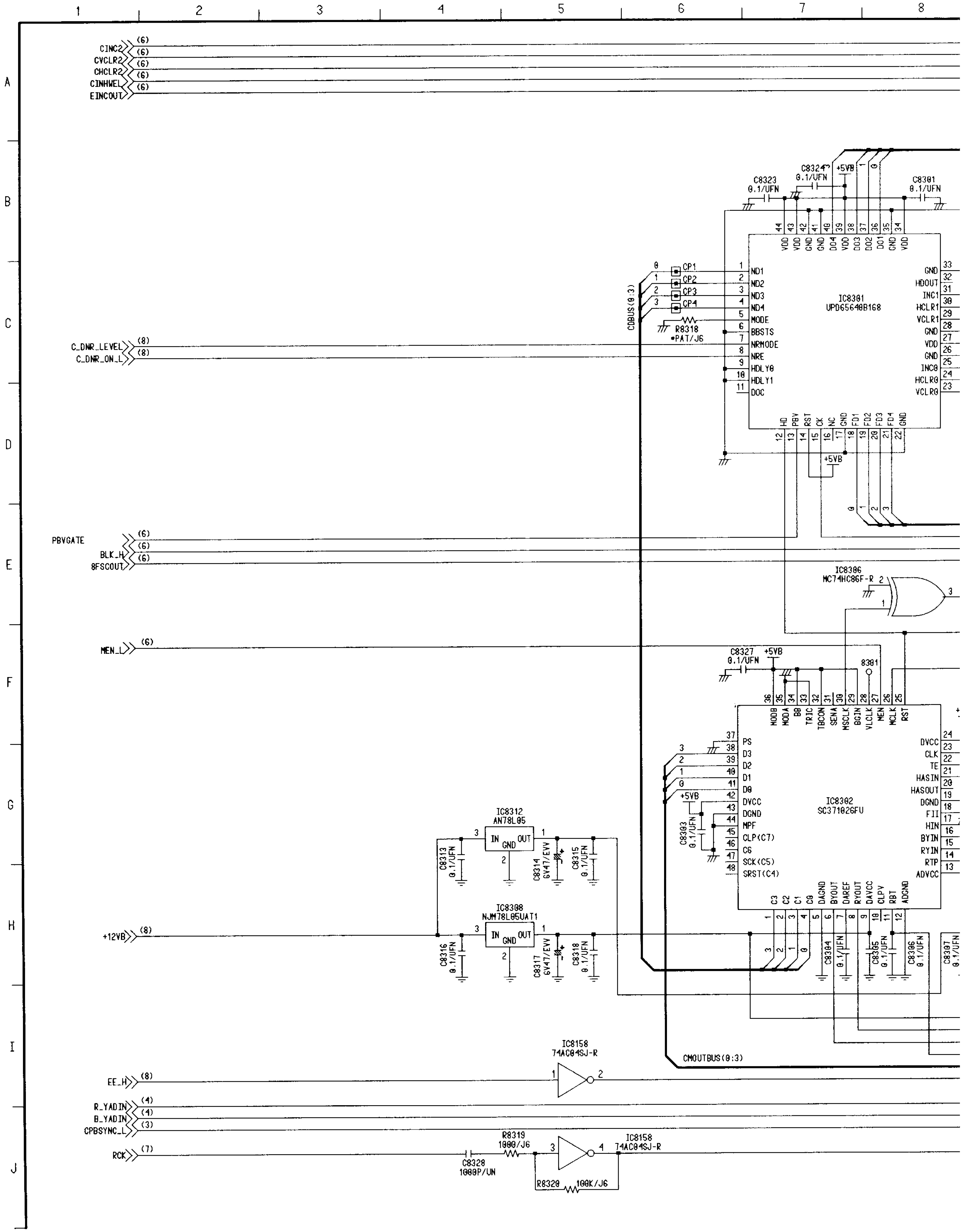
E COMPARISON CHART
8200 Series.

C MEMORY SCHEMATIC DIAGRAM 5/9 (E11: Page CBA-9)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A
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D
E
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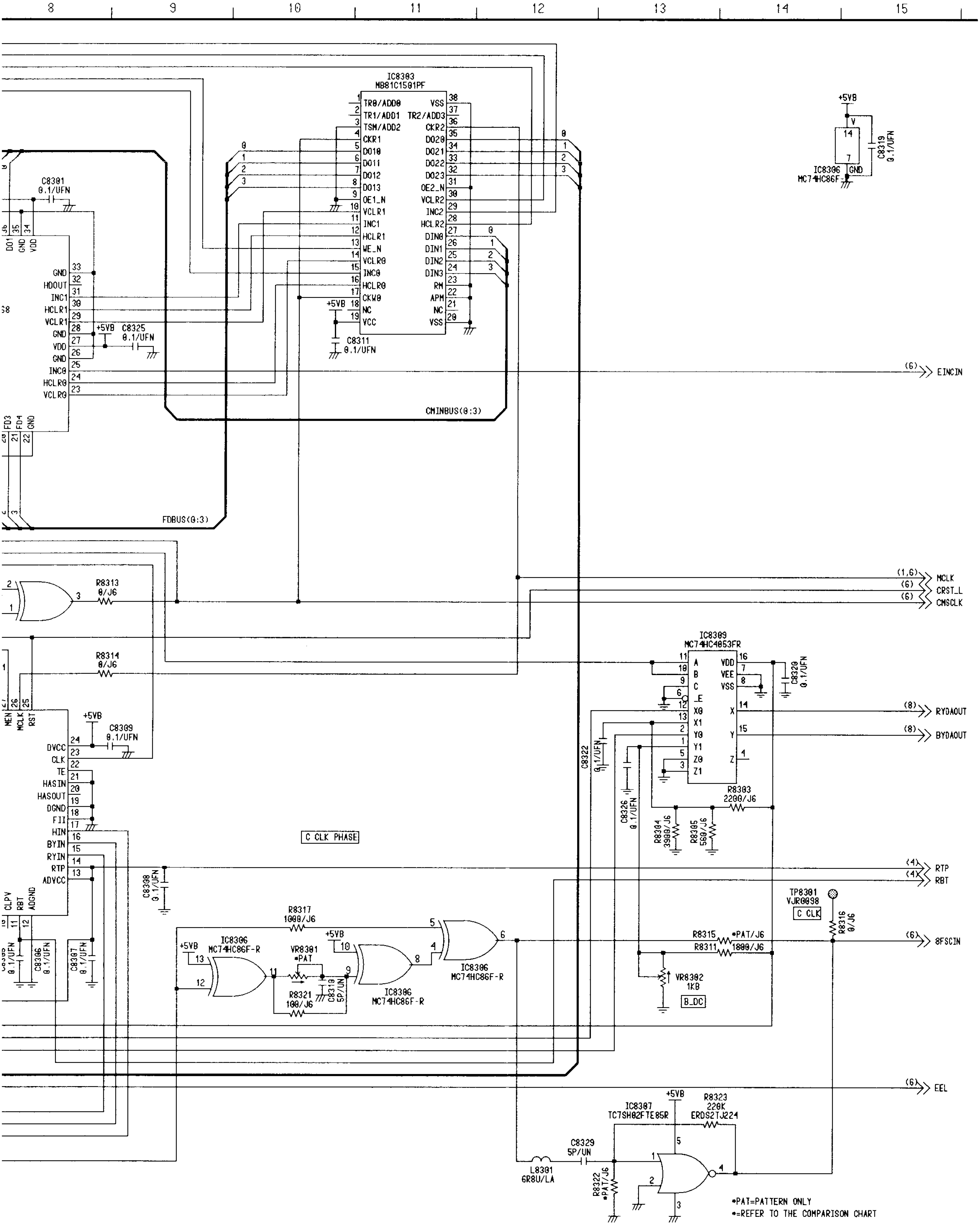
H
I
J
CINC2 (6)
CVCLR2 (6)
CHCLR2 (6)
CINHWEL (6)
EINCOUT (6)
C8323 0.1/UFN
C8324 0.1/UFN
+5VB
C8301 0.1/UFN
IC8301
UPD65640B168
ND1
ND2
ND3
ND4
MODE
BBSTS
NRMODE
NRE
HDLY0
HDLY1
DOC
VDD
GND
DO4
DO3
DO2
DO1
HDOUT
INC1
HCLR1
VCLR1
INC0
HCLR0
VCLR0
HD
PBV
RST
CK
NC
FD1
FD2
FD3
FD4
CP1
CP2
CP3
CP4
R8318
*PAT/J6
CDBUS(0:3)
C_DNR_LEVEL (8)
C_DNR_ON_L (8)
PBVGATE (6)
BLK_H (6)
8FSCOUT (6)
IC8306
MC74HC86F-R
MEN_L (6)
C8327 0.1/UFN
8301
IC8302
SC371026FU
MODB
MODA
BB
TRIC
TBCON
SENA
MSCLK
BGIN
VLCLK
MEN
MCLK
PS
D3
D2
D1
D0
DVCC
DGND
MPF
CLP(C7)
C6
SCK(C5)
SRST(C4)
CLK
TE
HASIN
HASOUT
FII
HIN
BYIN
RYIN
RTP
ADVCC
C3
C2
C1
C0
DAGND
BYOUT
DAREF
RYOUT
DAVCC
CLPV
RBT
ADGND
C8303 0.1/UFN
C8304 0.1/UFN
C8305 0.1/UFN
C8306 0.1/UFN
C8307 0.1/UFN
IC8312
AN78L05
IN
OUT
GND
C8313 0.1/UFN
C8314 6V47/EVV
C8315 0.1/UFN
IC8308
NJM78L05UAT1
C8316 0.1/UFN
C8317 6V47/EVV
C8318 0.1/UFN
+12VB (8)
CMOUTBUS(0:3)
IC8158
74AC04SJ-R
EE_H (8)
R_YADIN (4)
B_YADIN (4)
CPBSYNC_L (3)
RCK (7)
C8328
1000P/UN
R8319
1000/J6
R8320
100K/J6


8
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15
IC8303
MB81C1501PF
TR0/ADD0
TR1/ADD1
TSM/ADD2
CKR1
D010
D011
D012
D013
OE1_N
VCLR1
INC1
HCLR1
WE_N
VCLR0
INC0
HCLR0
CKW0
NC
VCC
VSS
TR2/ADD3
CKR2
D020
D021
D022
D023
OE2_N
VCLR2
INC2
HCLR2
DIN0
DIN1
DIN2
DIN3
RM
APM
NC
VSS
C8311
0.1/UFN
+5VB
C8301
0.1/UFN
GND
HDOUT
INC1
HCLR1
VCLR1
GND
VDD
GND
INC0
HCLR0
VCLR0
C8325
0.1/UFN
DO1
GND
VDD
FD3
FD4
GND
CMINBUS(0:3)
FDBUS(0:3)
+5VB
IC8306
MC74HC86F
C8319
0.1/UFN
GND
(6) EINCIN
R8313
0/J6
R8314
0/J6
(1,6) MCLK
(6) CRST_L
(6) CMSCLK
MEN
MCLK
RST
DVCC
CLK
TE
HASIN
HASOUT
DGND
FII
HIN
BYIN
RYIN
RTP
ADVCC
CLPV
RBT
ADGND
C8309
0.1/UFN
C8308
0.1/UFN
C8306
0.1/UFN
C8307
0.1/UFN
IC8309
MC74HC4053FR
A
B
C
_E
X0
X1
Y0
Y1
Z0
Z1
VDD
VEE
VSS
X
Y
Z
C8320
0.1/UFN
C8322
0.1/UFN
C8326
0.1/UFN
R8303
2200/J6
R8304
3900/J6
R8305
560/J6
(8) RYDAOUT
(8) BYDAOUT
C CLK PHASE
(4) RTP
(4) RBT
TP8301
VJR0098
C CLK
R8316
0/J6
R8317
1000/J6
IC8306
MC74HC86F-R
VR8301
*PAT
R8321
100/J6
C8310
5P/UN
R8315
*PAT/J6
R8311
1800/J6
VR8302
1KB
B_DC
(6) 8FSCIN
(6) EEL
IC8307
TC7SH02FTE85R
R8323
220K
ERDS2TJ224
C8329
5P/UN
L8301
6R8U/LA
R8322
*PAT/J6

*PAT=PATTERN ONLY

*=REFER TO THE COMPARISON CHART

Ref No.8300 Series.

C MEMORY DC VOLTAGE CHART

REF. NO.	IC8158									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	4.9	0	2.5	2.5	0.4	4.7	0	0.4	4.9	2.8
REC	4.9	0	2.5	2.5	0.4	4.7	0	0.4	4.9	2.7

REF. NO.	IC8158									
MODE	11	12	13	14						
EJECT	2.5	2.9	2.8	5.1						
REC	2.5	2.8	2.7	5.1						

REF. NO.	IC8301									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	2.6	2.3	1.9	1.7	5.1	0	5.2	5.2	0	0
REC	2.5	2.3	1.9	1.7	5.1	0	5.2	5.2	0	0

REF. NO.	IC8301									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	5.1	5.0	0	5.1	2.6	0	0	2.9	2.6	2.0
REC	5.1	5.0	0	5.1	2.6	0	0	2.8	2.6	2.0

REF. NO.	IC8301									
MODE	21	22	23	24	25	26	27	28	29	30
EJECT	2.2	0	0	0	0	0	5.1	0	0	0
REC	2.1	0	0	0	0	0	5.1	0	0	0

REF. NO.	IC8301									
MODE	31	32	33	34	35	36	37	38	39	40
EJECT	0	5.1	0	5.1	0	3.1	2.8	2.3	5.1	2.5
REC	0	5.1	0	5.1	0	3.0	2.8	2.3	5.1	2.4

REF. NO.	IC8301									
MODE	41	42	43	44						
EJECT	0	0	5.1	5.1						
REC	0	0	5.1	5.1						

REF. NO.	IC8302									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	1.7	1.9	2.3	2.6	0	0.9	1.5	0.9	5.0	3.5
REC	1.7	1.9	2.3	2.4	0	0.9	1.5	0.9	5.0	3.5

REF. NO.	IC8302									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	2.2	0	5.1	5.1	3.6	3.5	4.3	0	0	0
REC	2.2	0	5.1	5.1	3.6	3.5	4.3	0	0	0

REF. NO.	IC8302									
MODE	21	22	23	24	25	26	27	28	29	30
EJECT	0	0	2.3	5.1	5.0	1.5	5.2	1.5	5.1	1.5
REC	0	0	2.4	5.1	5.0	1.5	5.2	1.5	5.1	1.5

REF. NO.	IC8302									
MODE	31	32	33	34	35	36	37	38	39	40
EJECT	0.2	5.1	0	5.1	0	5.1	0	2.2	2.0	2.6
REC	0.2	5.1	0	5.1	0	5.1	0	2.1	2.0	2.6

REF. NO.	IC8302									
MODE	41	42	43	44	45	46	47	48		
EJECT	2.9	5.1	0	0	0.1	0	1.5	4.0		
REC	2.8	5.1	0	0	0.1	0	1.5	3.8		

REF. NO.	IC8303									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0.4	0.3	0	2.6	2.8	2.6	2.0	2.1	0	0
REC	0.4	0.3	0	2.6	2.9	2.6	1.9	2.1	0	0

REF. NO.	IC8303									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	0	0	0	0	0	0	2.6	0	5.1	0
REC	0	0	0	0	0	0	2.6	0	5.1	0

REF. NO.	IC8303									
MODE	21	22	23	24	25	26	27	28	29	30
EJECT	0	0	0	2.4	2.3	2.8	3.0	0	0	0
REC	0	0	0	2.4	2.2	2.8	3.1	0	0	0

REF. NO.	IC8303									
MODE	31	32	33	34	35	36	37	38		
EJECT	0	2.2	2.0	2.6	2.8	1.5	0.3	0		
REC	0	2.1	1.9	2.6	2.9	1.5	0.3	0		

REF. NO.	IC8306									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	1.5	0	2.6	2.4	2.5	1.9	0	2.4	2.6	5.1
REC	1.5	0	2.6	2.4	2.5	1.9	0	2.4	2.6	5.1

REF. NO.	IC8306									
MODE	11	12	13	14						
EJECT	2.6	2.6	5.1	5.1						
REC	2.7	2.6	5.1	5.1						

REF. NO.	IC8307									
MODE	1	2	3	4	5					
EJECT	2.6	0	0	2.1	5.1					
REC	2.6	0	0	2.1	5.1					

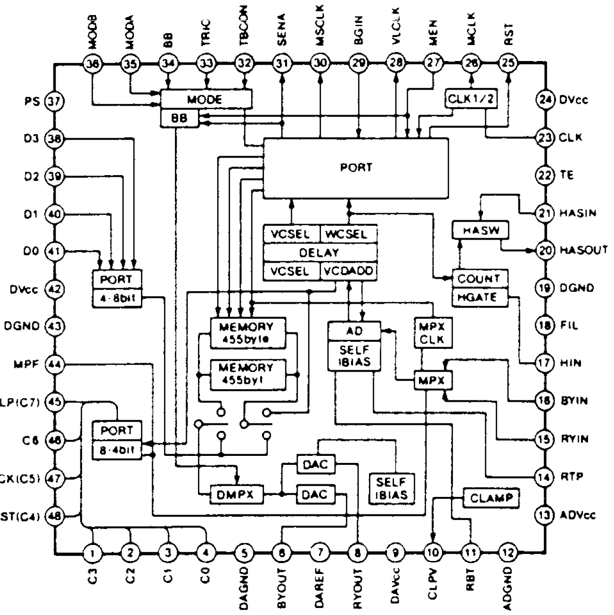
REF. NO.	IC8308									
MODE	I	G	O							
EJECT	11.5	0	5.0							
REC	11.5	0	5.0							

REF. NO.	IC8309									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0.9	0.9	0	0	0	0	0	0	0	1.0
REC	0.9	0.9	0	0	0	0	0	0	0	1.1

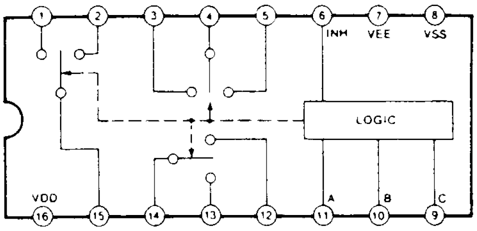
REF. NO.	IC8309									
MODE	11	12	13	14	15	16				
EJECT	1.1	0.9	0.9	0.9	0.9	5.0				
REC	1.1	0.9	0.9	0.9	0.9	5.0				

REF. NO.	IC8312									
MODE	I	G	O							
EJECT	11.5	0	5.1							
REC	11.5	0	5.1							

IC8302
SC371026FU


MODB
MODA
BB
TRIC
TBCON
SENA
MSCLK
BGIN
VLCLK
MEN
MCLK
RST
36
35
34
33
32
31
30
29
28
27
26
25
PS 37
D3 38
D2 39
D1 40
D0 41
DVcc 42
DGND 43
MPF 44
CLP(C7) 45
C6 46
SCK(C5) 47
SRST(C4) 48
24 DVcc
23 CLK
22 TE
21 HASIN
20 HASOUT
19 DGND
18 FIL
17 HIN
16 BYIN
15 RYIN
14 RTP
13 ADVcc
1 C3
2 C2
3 C1
4 C0
5 DAGND
6 BYOUT
7 DAREF
8 RYOUT
9 DAVcc
10 CLPV
11 RBT
12 ADGND
MODE
BB
CLK1/2
PORT
VCSEL
WCSEL
DELAY
VCSEL
VCDADD
HASW
COUNT
HGATE
PORT
4·8bit
MEMORY
455byte
MEMORY
455byt
AD
SELF
IBIAS
MPX
CLK
MPX
PORT
8·4bit
DAC
DAC
DMPX
SELF
IBIAS
CLAMP

IC8309
MC74HC4053FR


1
2
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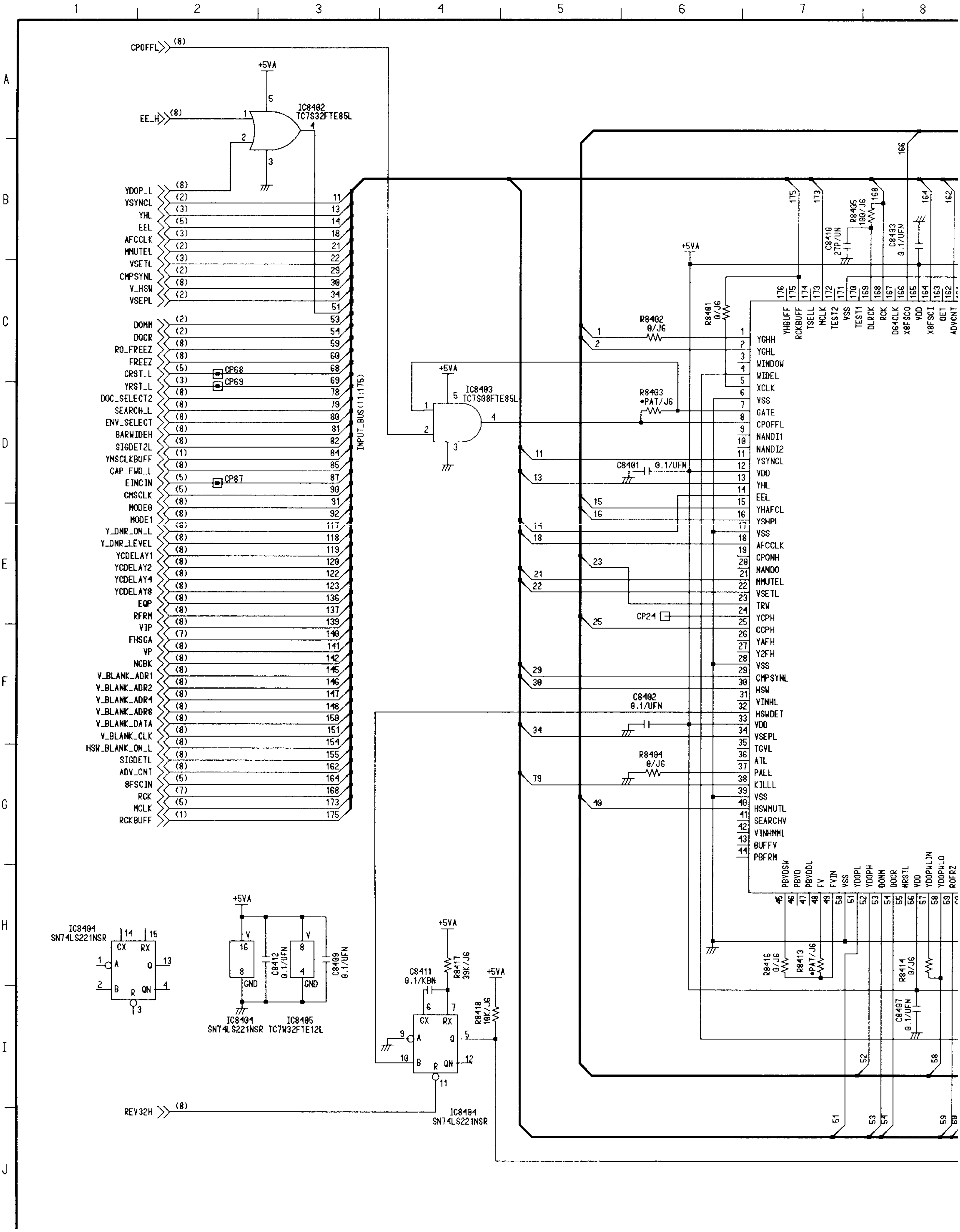
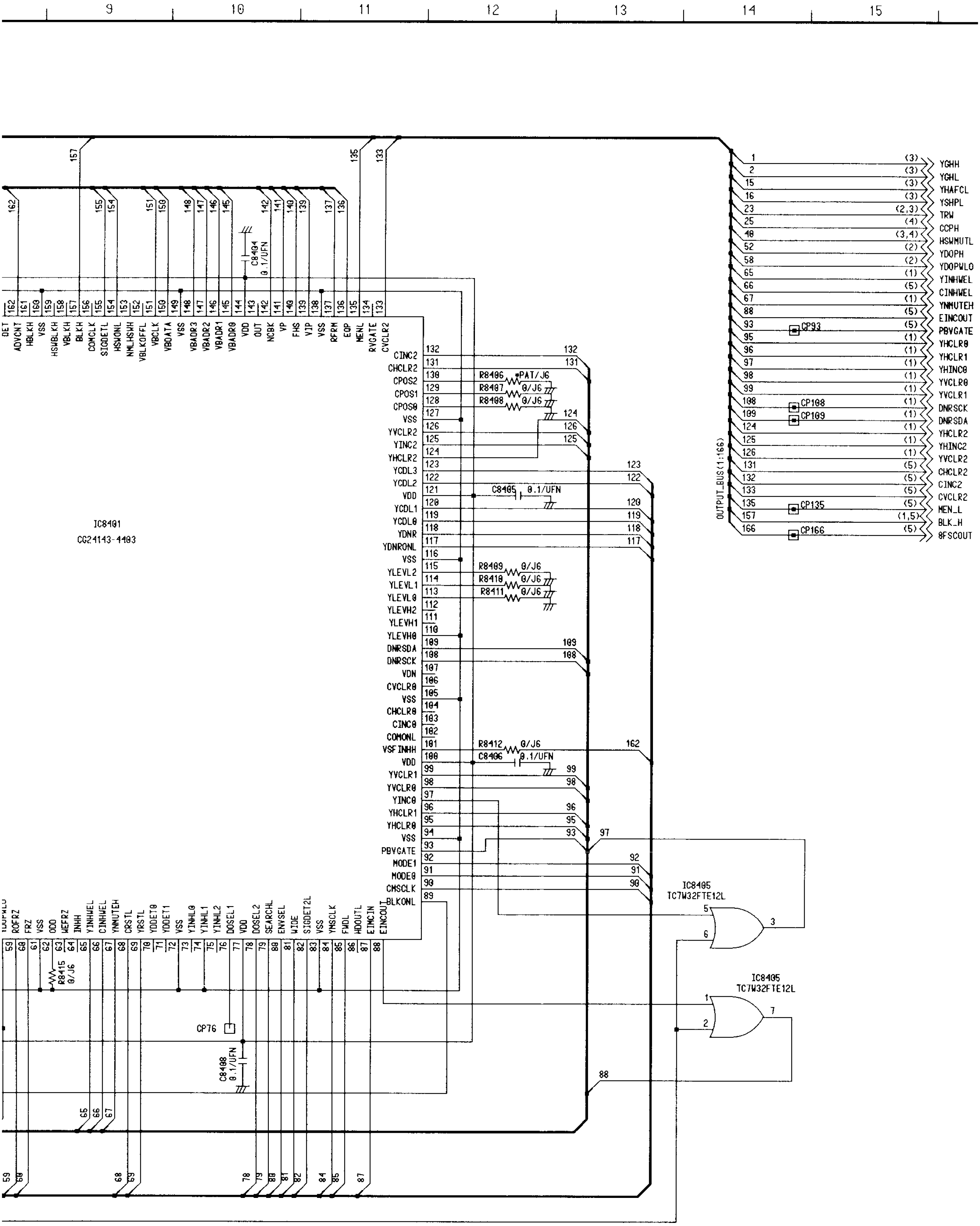
4
5
6
7
8
INH
VEE
VSS
LOGIC
VDD
A
B
C
16
15
14
13
12
11
10
9

G.A. BLOCK SCHEMATIC DIAGRAM 6/9 (E11: Page CBA-9)



1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
I
J
CPOFFL
EE_H
+5VA
IC8402
TC7S32FTE85L
YDOP_L
YSYNCL
YHL
EEL
AFCCLK
MMUTEL
VSETL
CMPSYNL
V_HSW
VSEPL
DOMM
DOCR
RO_FREEZ
FREEZ
CRST_L
YRST_L
DOC_SELECT2
SEARCH_L
ENV_SELECT
BARWIDEH
SIGDET2L
YMSCLKBUFF
CAP_FWD_L
EINCIN
CMSCLK
MODE0
MODE1
Y_DNR_ON_L
Y_DNR_LEVEL
YCDELAY1
YCDELAY2
YCDELAY4
YCDELAY8
EQP
RFRM
VIP
FHSGA
VP
NCBK
V_BLANK_ADR1
V_BLANK_ADR2
V_BLANK_ADR4
V_BLANK_ADR8
V_BLANK_DATA
V_BLANK_CLK
HSW_BLANK_ON_L
SIGDETL
ADV_CNT
8FSCIN
RCK
MCLK
RCKBUFF
CP68
CP69
CP87
INPUT_BUS(11:175)
IC8403
TC7S08FTE85L
R8402
0/J6
R8403
•PAT/J6
R8401
0/J6
R8405
100/J6
C8410
27P/UN
C8403
0.1/UFN
C8401
0.1/UFN
C8402
0.1/UFN
R8404
0/J6
CP24
YHBUFF
RCKBUFF
TSELL
MCLK
TEST2
VSS
TEST1
DLRCK
RCK
D64CLK
X8FSCO
VDD
X8FSCI
DET
ADVCNT
YGHH
YGHL
WINDOW
WIDEL
XCLK
VSS
GATE
CPOFFL
NANDI1
NANDI2
YSYNCL
VDD
YHL
EEL
YHAFCL
YSHPL
VSS
AFCCLK
CPONH
NANDO
MMUTEL
VSETL
TRW
YCPH
CCPH
YAFH
Y2FH
VSS
CMPSYNL
HSW
VINHL
HSWDET
VDD
VSEPL
TGVL
ATL
PALL
KILLL
VSS
HSWMUTL
SEARCHV
VINHMNL
BUFFV
PBFRM
PBVDSW
PBVD
PBVDDL
FV
FVIN
VSS
YDOPL
YDOPH
DOMM
DOCR
MRSTL
VDD
YDOPWLIN
YDOPWLO
ROFRZ
R8416
0/J6
R8413
•PAT/J6
R8414
0/J6
C8407
0.1/UFN
IC8404
SN74LS221NSR
IC8405
TC7W32FTE12L
C8412
0.1/UFN
C8409
0.1/UFN
C8411
0.1/KBN
R8417
39K/J6
R8418
10K/J6
CX
RX
A
B
R
Q
QN
V
GND
REV32H


9
10
11
12
13
14
15
IC8401
CG24143-4403
IC8405
TC7W32FTE12L
OUTPUT_BUS(1:166)
C8404 0.1/UFN
C8405 0.1/UFN
C8406 0.1/UFN
C8408 0.1/UFN
R8406 *PAT/J6
R8407 0/J6
R8408 0/J6
R8409 0/J6
R8410 0/J6
R8411 0/J6
R8412 0/J6
R8415 0/J6
CP76
CP93
CP108
CP109
CP135
CP166
YGHH
YGHL
YHAFCL
YSHPL
TRW
CCPH
HSWMUTL
YDOPH
YDOPWLO
YINHWEL
CINHWEL
YNMUTEH
EINCOUT
PBVGATE
YHCLR0
YHCLR1
YHINC0
YVCLR0
YVCLR1
DNRSCK
DNRSDA
YHCLR2
YHINC2
YVCLR2
CHCLR2
CINC2
CVCLR2
MEN_L
BLK_H
8FSCOUT

*=REFER TO THE COMPARISON CHART

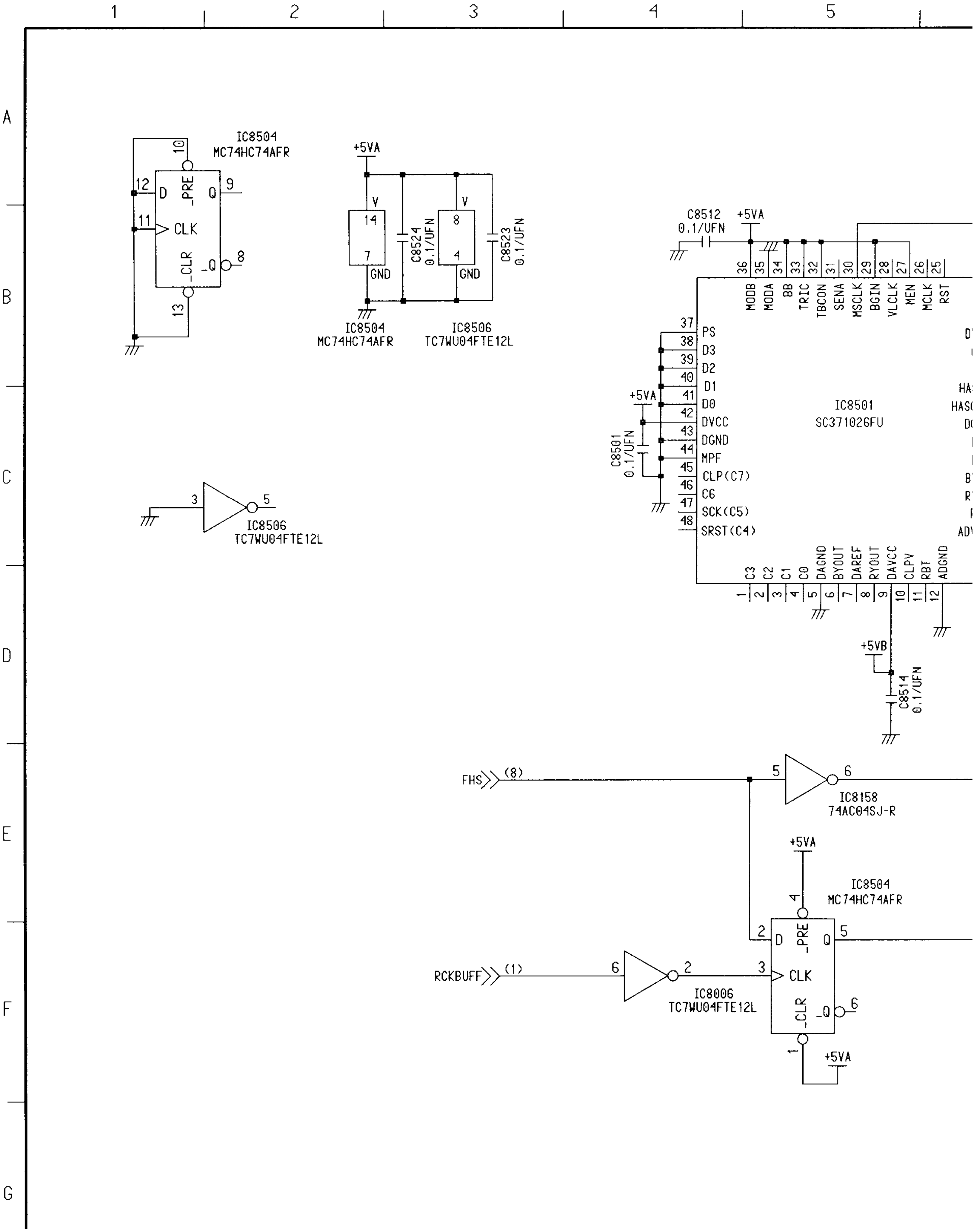
Ref No.8400 Series.

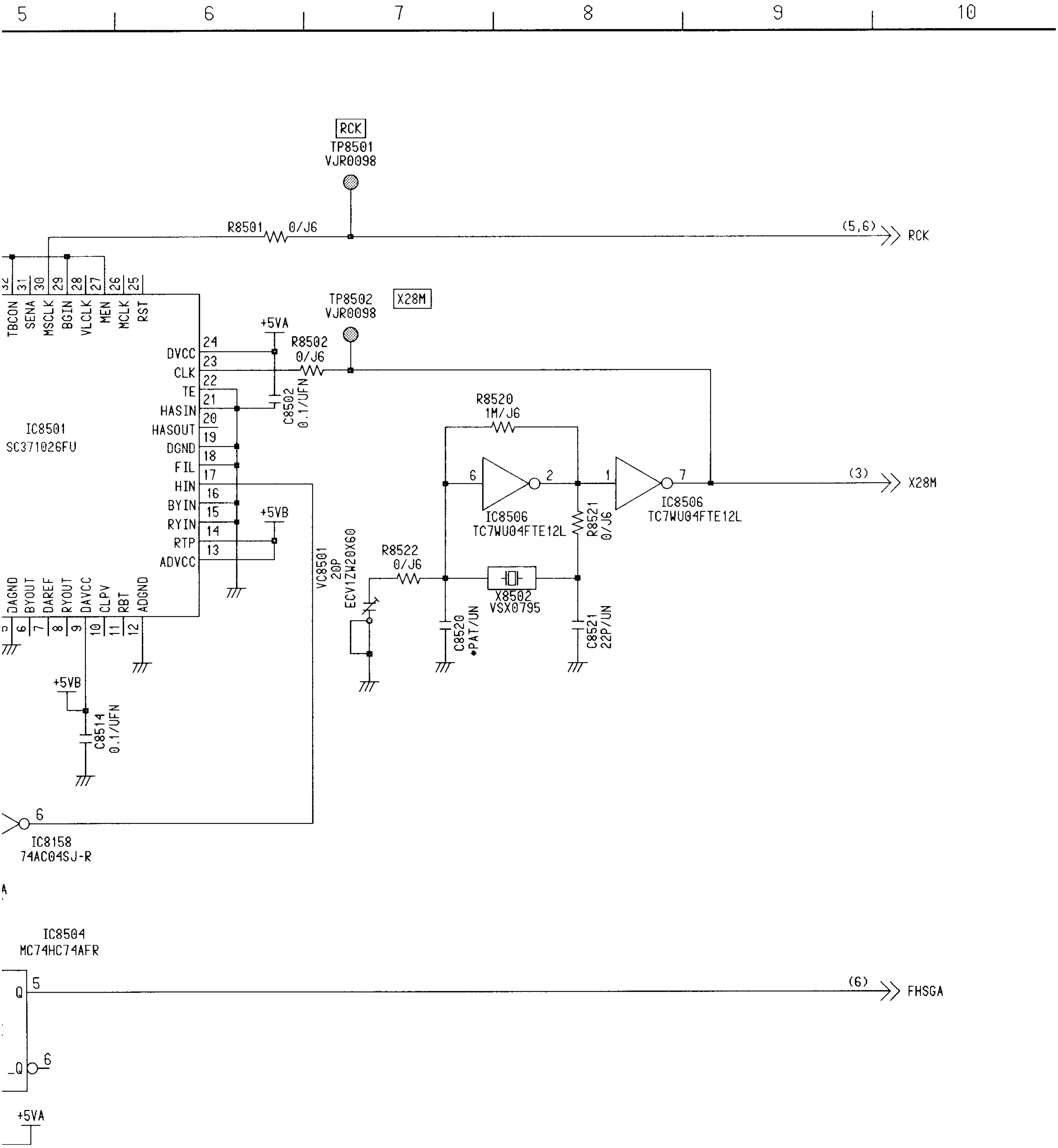
G.A. BLOCK DC VOLTAGE CHART

REF. NO.	IC8401									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0.3	4.9	0.1	5.2	2.7	0	5.1	5.1	5.2	5.2
REC	0.3	4.8	0.1	5.2	2.6	0	5.1	5.1	5.1	5.1
REF. NO.	IC8401									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	4.2	5.2	4.5	0	5.1	5.1	0	1.8	0	0
REC	4.3	5.2	4.5	0	5.1	5.1	0	1.7	0	0
REF. NO.	IC8401									
MODE	21	22	23	24	25	26	27	28	29	30
EJECT	5.1	0.2	2.6	0.1	0.1	0.4	2.6	0	4.7	4.7
REC	5.1	0.2	2.6	0.1	0.1	0.4	2.6	0	4.7	5.0
REF. NO.	IC8401									
MODE	31	32	33	34	35	36	37	38	39	40
EJECT	5.2	0	5.2	5.0	5.2	5.2	0	5.2	0	5.1
REC	5.1	0	5.2	5.0	5.1	5.1	0	5.2	0	4.9
REF. NO.	IC8401									
MODE	41	42	43	44	45	46	47	48	49	50
EJECT	0	5.1	0	5.1	0	0	0	0	0	0
REC	0	5.2	0	5.1	0	0	0	0	0	0
REF. NO.	IC8401									
MODE	51	52	53	54	55	56	57	58	59	60
EJECT	5.2	0	0.1	0	5.2	5.2	5.2	5.2	0	0
REC	5.2	0	0.1	0	5.1	5.2	5.2	5.2	0	0
REF. NO.	IC8401									
MODE	61	62	63	64	65	66	67	68	69	70
EJECT	0	0	0	0	0	0	0	5.0	3.7	0
REC	0	0	0	0	0	0	0	0	3.6	0
REF. NO.	IC8401									
MODE	71	72	73	74	75	76	77	78	79	80
EJECT	0	0	0	0	5.2	0	5.2	5.1	5.2	5.1
REC	0	0	5.1	0	0	0	5.2	5.1	5.2	0
REF. NO.	IC8401									
MODE	81	82	83	84	85	86	87	88	89	90
EJECT	5.2	0	0	2.4	5.2	5.2	0	0	5.2	2.5
REC	0	0	0	2.4	0	5.1	0	0	5.2	2.6
REF. NO.	IC8401									
MODE	91	92	93	94	95	96	97	98	99	100
EJECT	0	0	0	0	0	0	0	0	0	5.2
REC	0	0	0	0	0	0	0	0	0	5.2
REF. NO.	IC8401									
MODE	101	102	103	104	105	106	107	108	109	110
EJECT	0	5.2	0	0	0	0	5.2	0	0	0
REC	0	5.2	0	0	0	0	5.2	0	0	0
REF. NO.	IC8401									
MODE	111	112	113	114	115	116	117	118	119	120
EJECT	5.2	5.2	0	0	0	0	5.2	5.2	0.1	0.1
REC	0	5.2	5.2	0.1	0.1	5.2	0.1	5.2	0	0
REF. NO.	IC8401									
MODE	121	122	123	124	125	126	127	128	129	130
EJECT	5.2	0.1	5.2	0	0	0	0	0	0	5.2
REC	0	0.1	5.2	0	0	0	0	0	0	5.2
REF. NO.	IC8401									
MODE	131	132	133	134	135	136	137	138	139	140
EJECT	0	0	0	0	5.2	0.4	5.1	0	0	0.4
REC	0	0	0	0	5.1	0.4	5.1	0	0	0.4
REF. NO.	IC8401									
MODE	141	142	143	144	145	146	147	148	149	150
EJECT	0	1.1	0	5.2	5.1	5.1	5.1	5.1	0	0
REC	0	1.1	0	5.2	5.1	5.1	5.1	5.1	0	0
REF. NO.	IC8401									
MODE	151	152	153	154	155	156	157	158	159	160
EJECT	0	5.2	5.2	0.1	0	0	1.1	0	0	0
REC	0	5.1	5.1	0.1	0	0	1.1	0	0	0
REF. NO.	IC8401									
MODE	161	162	163	164	165	166	167	168	169	170
EJECT	1.1	0	5.2	2.2	5.2	2.3	2.6	1.5	1.5	5.2
REC	1.1	0	5.2	2.1	5.2	2.2	2.6	1.5	1.5	5.1
REF. NO.	IC8401									
MODE	171	172	173	174	175	176				
EJECT	0	5.2	1.5	5.2	2.6	0.3				
REC	0	5.1	1.5	5.1	2.6	0.3				
REF. NO.	IC8402									
MODE	1	2	3	4	5					
EJECT	4.9	0	0	5.2	5.2					
REC	4.9	0	0	5.2	5.2					

REF. NO.	IC8403									
MODE	1	2	3	4	5					
EJECT	5.1	5.2	0	5.0	5.2					
REC	5.1	5.2	0	5.0	5.2					
REF. NO.	IC8404									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	1.2	0.7	0.7	4.5	0.1	5.2	0.6	0	0	0
REC	1.2	0.8	0.8	4.5	0.1	5.2	0.6	0	0	0
REF. NO.	IC8404									
MODE	11	12	13	14	15	16				
EJECT	0	4.4	0.1	5.2	0.3	5.2				
REC	0	4.4	0.1	5.2	0.3	5.2				
REF. NO.	IC8405									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0.1	0	0	0	0.1	0	5.2		
REC	0	0.1	0	0	0	0.1	0	5.2		

READ CLK GEN SCHEMATIC DIAGRAM 7/9 (E11: Page CBA-9)


1
2
3
4
5
A
B
C
D
E
F
G
IC8504
MC74HC74AFR
D
_PRE
Q
CLK
_CLR
_Q
10
12
9
11
8
13
+5VA
V
14
7
GND
C8524
0.1/UFN
V
8
4
GND
C8523
0.1/UFN
IC8504
MC74HC74AFR
IC8506
TC7WU04FTE12L
3
5
IC8506
TC7WU04FTE12L
C8512
0.1/UFN
+5VA
36 MODB
35 MODA
34 BB
33 TRIC
32 TBCON
31 SENA
30 MSCLK
29 BGIN
28 VLCLK
27 MEN
26 MCLK
25 RST
37 PS
38 D3
39 D2
40 D1
41 D0
42 DVCC
43 DGND
44 MPF
45 CLP(C7)
46 C6
47 SCK(C5)
48 SRST(C4)
+5VA
C8501
0.1/UFN
IC8501
SC371026FU
1 C3
2 C2
3 C1
4 C0
5 DAGND
6 BYOUT
7 DAREF
8 RYOUT
9 DAVCC
10 CLPV
11 RBT
12 ADGND
+5VB
C8514
0.1/UFN
FHS
(8)
5
6
IC8158
74AC04SJ-R
+5VA
IC8504
MC74HC74AFR
4
D
_PRE
Q
2
5
CLK
_CLR
_Q
3
6
1
+5VA
RCKBUFF
(1)
6
2
IC8006
TC7WU04FTE12L


5
6
7
8
9
10
RCK
TP8501
VJR0098
R8501
0/J6
(5,6)
RCK
TBCON
SENA
MSCLK
BGIN
VLCLK
MEN
MCLK
RST
32
31
30
29
28
27
26
25
TP8502
VJR0098
X28M
+5VA
R8502
0/J6
DVCC
CLK
TE
HASIN
HASOUT
DGND
FIL
HIN
BYIN
RYIN
RTP
ADVCC
24
23
22
21
20
19
18
17
16
15
14
13
C8502
0.1/UFN
IC8501
SC371026FU
R8520
1M/J6
6
2
1
7
IC8506
TC7WU04FTE12L
IC8506
TC7WU04FTE12L
(3)
X28M
R8521
0/J6
+5VB
VC8501
20P
ECV1ZW20X60
R8522
0/J6
X8502
VSX0795
C8520
*PAT/UN
C8521
22P/UN
DAGND
BYOUT
DAREF
RYOUT
DAVCC
CLPV
RBT
ADGND
5
6
7
8
9
10
11
12
+5VB
C8514
0.1/UFN
6
IC8158
74AC04SJ-R
A
IC8504
MC74HC74AFR
Q
5
(6)
FHSGA
_Q
6
+5VA

*=REFER TO THE CO

Ref No.8500

11

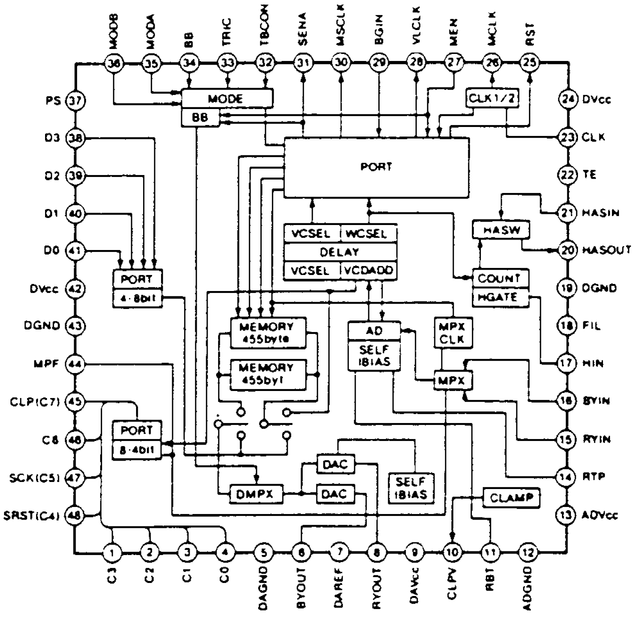
READ CLK GEN DC VOLTAGE CHART

REF. NO.	IC8006									
MODE	1	2	3	4	5	6	7	8		
EJECT	0.2	2.5	0	0	5.2	2.6	5.2	5.2		
REC	0.2	2.5	0	0	5.2	2.7	5.2	5.2		
REF. NO.	IC8158									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	4.9	0	2.5	2.5	0.4	4.7	0	0.4	4.9	2.8
REC	4.9	0	2.5	2.5	0.4	4.7	0	0.4	4.9	2.7
REF. NO.	IC8158									
MODE	11	12	13	14						
EJECT	2.5	2.9	2.8	5.1						
REC	2.5	2.8	2.7	5.1						
REF. NO.	IC8501									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	0	0	0	0	0.4	1.6	0.4	5.1	3.5
REC	0	0	0	0	0	0.4	1.6	0.4	5.1	3.5
REF. NO.	IC8501									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	2.1	0	5.1	5.1	0	0	4.7	0	0	0
REC	2.1	0	5.1	5.1	0	0	4.7	0	0	0
REF. NO.	IC8501									
MODE	21	22	23	24	25	26	27	28	29	30
EJECT	0	0	2.8	5.2	3.9	1.6	5.2	1.5	5.2	1.5
REC	0	0	2.8	5.2	3.8	1.6	5.2	1.6	5.2	1.5
REF. NO.	IC8501									
MODE	31	32	33	34	35	36	37	38	39	40
EJECT	0.2	5.2	5.2	5.2	0	5.2	0	0	0	0
REC	0.2	5.2	5.2	5.2	0	5.2	0	0	0	0
REF. NO.	IC8501									
MODE	41	42	43	44	45	46	47	48		
EJECT	0	5.2	0	0	0.1	0	1.5	4.0		
REC	0	5.2	0	0	0.1	0	1.5	3.9		
REF. NO.	IC8504									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	5.2	0.4	2.5	5.2	0.4	4.8	0	5.2	5.2	0
REC	5.2	0.4	2.5	5.2	0.4	4.8	0	5.2	5.2	0
REF. NO.	IC8504									
MODE	11	12	13	14						
EJECT	0	0	0	5.2						
REC	0	0	0	5.2						
REF. NO.	IC8506									
MODE	1	2	3	4	5	6	7	8		
EJECT	2.7	2.7	0	0	5.2	2.5	2.8	5.2		
REC	2.7	2.7	0	0	5.2	2.5	2.8	5.2		

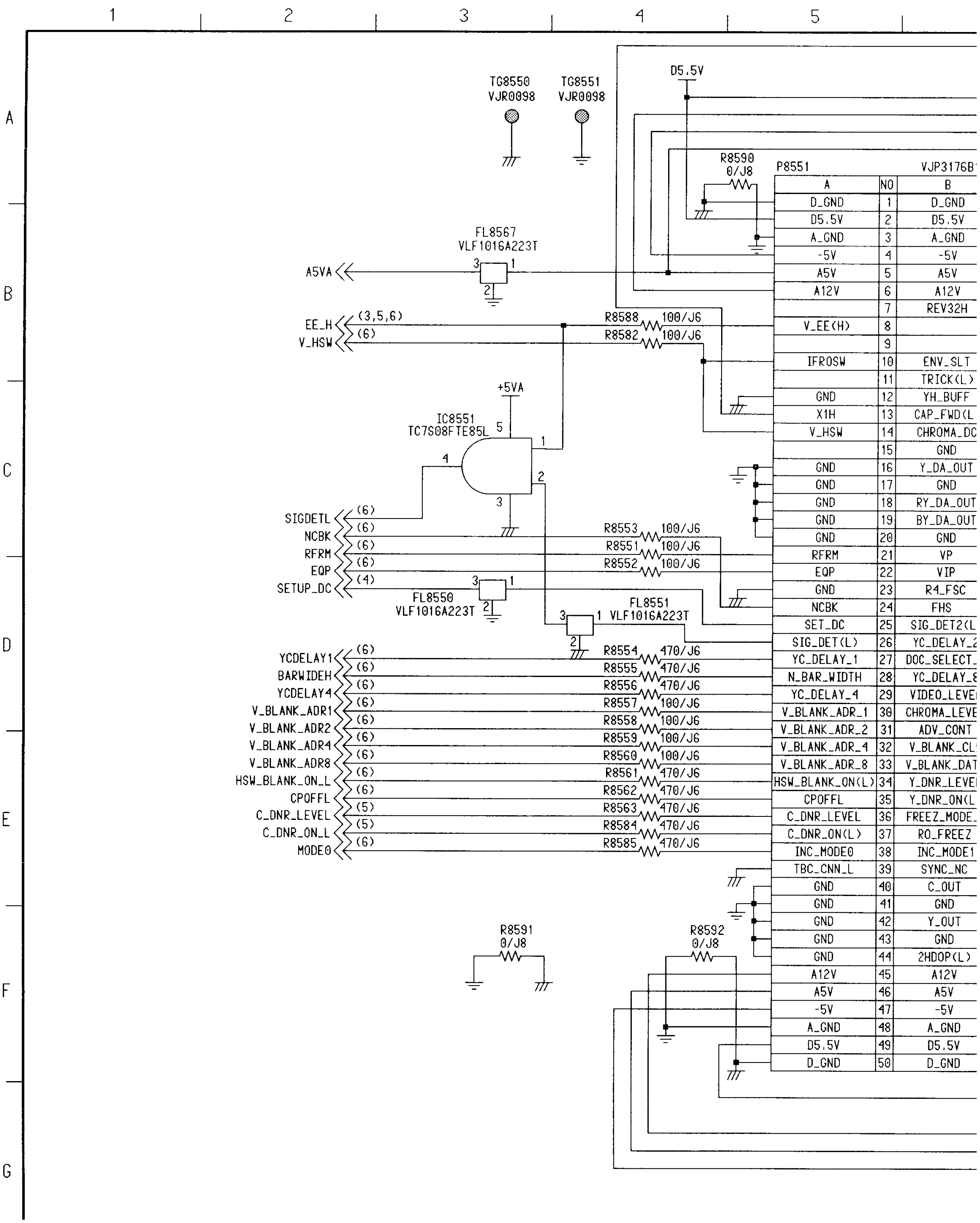
TO THE COMPARISON CHART

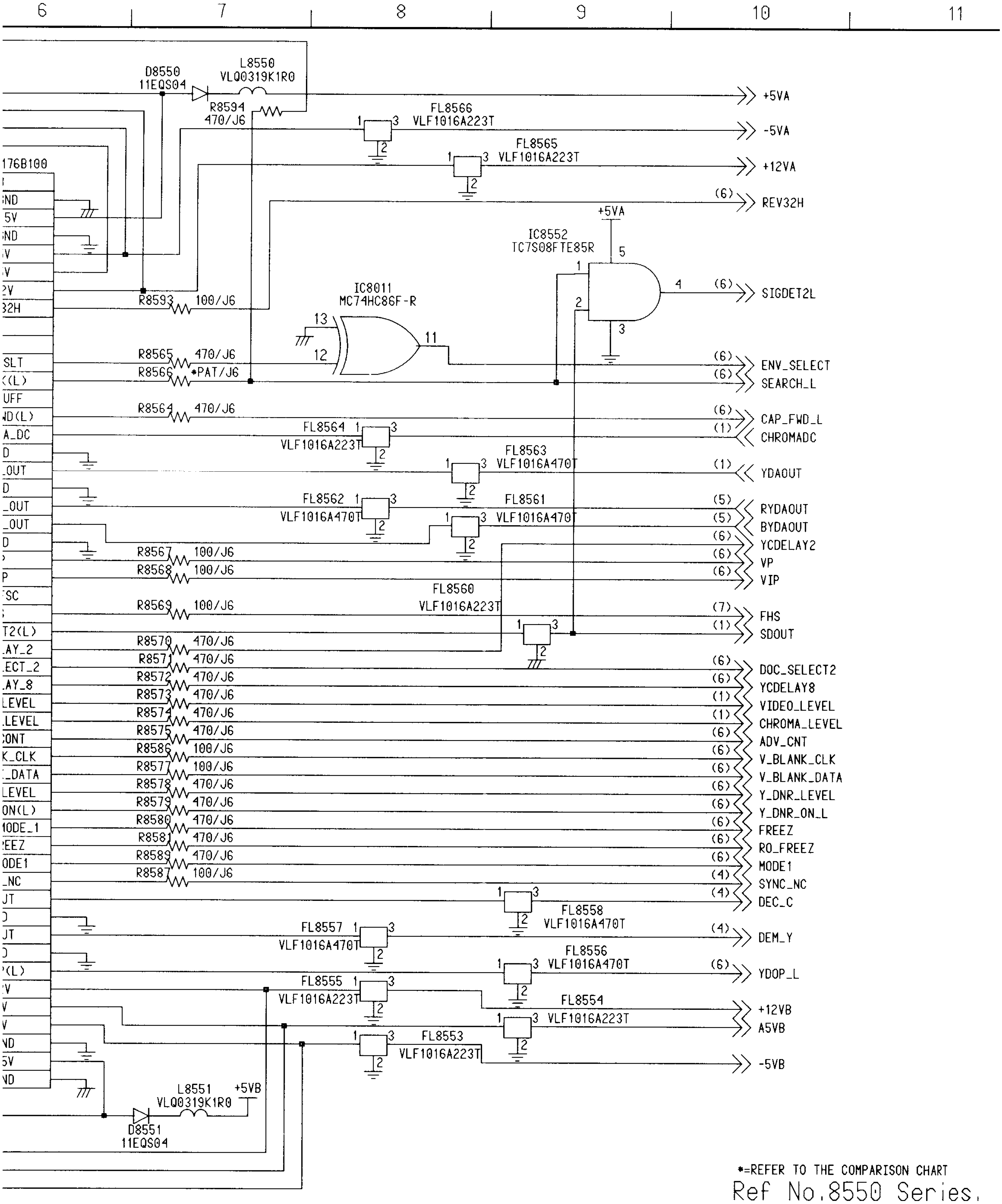
.8500~8549 Series.

IC8501
SC371026FU


MODB
MODA
BB
TRIC
TBCON
SENA
MSCLK
BGIN
VLCLK
MEN
MCLK
RST
36
35
34
33
32
31
30
29
28
27
26
25
PS
37
D3
38
D2
39
D1
40
D0
41
DVcc
42
DGND
43
MPF
44
CLP(C7)
45
C6
46
SCK(C5)
47
SRST(C4)
48
24
DVcc
23
CLK
22
TE
21
HASIN
20
HASOUT
19
DGND
18
FIL
17
HIN
16
BYIN
15
RYIN
14
RTP
13
ADVcc
1
C3
2
C2
3
C1
4
C0
5
DAGND
6
BYOUT
7
DAREF
8
RYOUT
9
DAVcc
10
CLPV
11
RBT
12
ADGND
MODE
BB
CLK1/2
PORT
VCSEL
WCSEL
DELAY
VCSEL
VCDADD
HASW
COUNT
HGATE
PORT
4·8bit
MEMORY
455byte
MEMORY
455byt
AD
SELF
IBIAS
MPX
CLK
MPX
PORT
8·4bit
DAC
DAC
DMPX
SELF
IBIAS
CLAMP

TBC (1) CONNECTION SCHEMATIC DIAGRAM 8/9 (E11: Page CBA-9)


1
2
3
4
5
A
B
C
D
E
F
G
TG8550
VJR0098
TG8551
VJR0098
D5.5V
R8590
0/J8
P8551
VJP3176B
FL8567
VLF1016A223T
A5VA
EE_H (3,5,6)
V_HSW (6)
R8588 100/J6
R8582 100/J6
+5VA
IC8551
TC7S08FTE85L
SIGDETL (6)
NCBK (6)
RFRM (6)
EQP (6)
SETUP_DC (4)
R8553 100/J6
R8551 100/J6
R8552 100/J6
FL8550
VLF1016A223T
FL8551
VLF1016A223T
YCDELAY1 (6)
BARWIDEH (6)
YCDELAY4 (6)
V_BLANK_ADR1 (6)
V_BLANK_ADR2 (6)
V_BLANK_ADR4 (6)
V_BLANK_ADR8 (6)
HSW_BLANK_ON_L (6)
CPOFFL (6)
C_DNR_LEVEL (5)
C_DNR_ON_L (5)
MODE0 (6)
R8554 470/J6
R8555 470/J6
R8556 470/J6
R8557 100/J6
R8558 100/J6
R8559 100/J6
R8560 100/J6
R8561 470/J6
R8562 470/J6
R8563 470/J6
R8584 470/J6
R8585 470/J6
R8591
0/J8
R8592
0/J8
A NO B
D_GND 1 D_GND
D5.5V 2 D5.5V
A_GND 3 A_GND
-5V 4 -5V
A5V 5 A5V
A12V 6 A12V
7 REV32H
V_EE(H) 8
9
IFROSW 10 ENV_SLT
11 TRICK(L)
GND 12 YH_BUFF
X1H 13 CAP_FWD(L
V_HSW 14 CHROMA_DC
15 GND
GND 16 Y_DA_OUT
GND 17 GND
GND 18 RY_DA_OUT
GND 19 BY_DA_OUT
GND 20 GND
RFRM 21 VP
EQP 22 VIP
GND 23 R4_FSC
NCBK 24 FHS
SET_DC 25 SIG_DET2(L
SIG_DET(L) 26 YC_DELAY_2
YC_DELAY_1 27 DOC_SELECT_
N_BAR_WIDTH 28 YC_DELAY_8
YC_DELAY_4 29 VIDEO_LEVE
V_BLANK_ADR_1 30 CHROMA_LEVE
V_BLANK_ADR_2 31 ADV_CONT
V_BLANK_ADR_4 32 V_BLANK_CL
V_BLANK_ADR_8 33 V_BLANK_DAT
HSW_BLANK_ON(L) 34 Y_DNR_LEVE
CPOFFL 35 Y_DNR_ON(L
C_DNR_LEVEL 36 FREEZ_MODE_
C_DNR_ON(L) 37 RO_FREEZ
INC_MODE0 38 INC_MODE1
TBC_CNN_L 39 SYNC_NC
GND 40 C_OUT
GND 41 GND
GND 42 Y_OUT
GND 43 GND
GND 44 2HDOP(L)
A12V 45 A12V
A5V 46 A5V
-5V 47 -5V
A_GND 48 A_GND
D5.5V 49 D5.5V
D_GND 50 D_GND


6
7
8
9
10
11
D8550
11EQS04
L8550
VLQ0319K1R0
R8594
470/J6
+5VA
FL8566
VLF1016A223T
-5VA
FL8565
VLF1016A223T
+12VA
176B100
(6)
REV32H
+5VA
IC8552
TC7S08FTE85R
SIGDET2L
R8593
100/J6
IC8011
MC74HC86F-R
R8565
470/J6
ENV_SELECT
R8566
*PAT/J6
SEARCH_L
R8564
470/J6
CAP_FWD_L
FL8564
VLF1016A223T
CHROMADC
FL8563
VLF1016A470T
YDAOUT
FL8562
VLF1016A470T
FL8561
VLF1016A470T
RYDAOUT
BYDAOUT
YCDELAY2
R8567
100/J6
VP
R8568
100/J6
VIP
FL8560
VLF1016A223T
R8569
100/J6
FHS
SDOUT
R8570
470/J6
R8571
470/J6
DOC_SELECT2
R8572
470/J6
YCDELAY8
R8573
470/J6
VIDEO_LEVEL
R8574
470/J6
CHROMA_LEVEL
R8575
470/J6
ADV_CNT
R8586
100/J6
V_BLANK_CLK
R8577
100/J6
V_BLANK_DATA
R8578
470/J6
Y_DNR_LEVEL
R8579
470/J6
Y_DNR_ON_L
R8580
470/J6
FREEZ
R8581
470/J6
RO_FREEZ
R8589
470/J6
MODE1
R8587
100/J6
SYNC_NC
DEC_C
FL8558
VLF1016A470T
FL8557
VLF1016A470T
DEM_Y
FL8556
VLF1016A470T
YDOP_L
FL8555
VLF1016A223T
FL8554
VLF1016A223T
+12VB
A5VB
FL8553
VLF1016A223T
-5VB
L8551
VLQ0319K1R0
+5VB
D8551
11EQS04

*=REFER TO THE COMPARISON CHART

Ref No.8550 Series.

TBC (1) CONNECTION DC VOLTAGE CHART

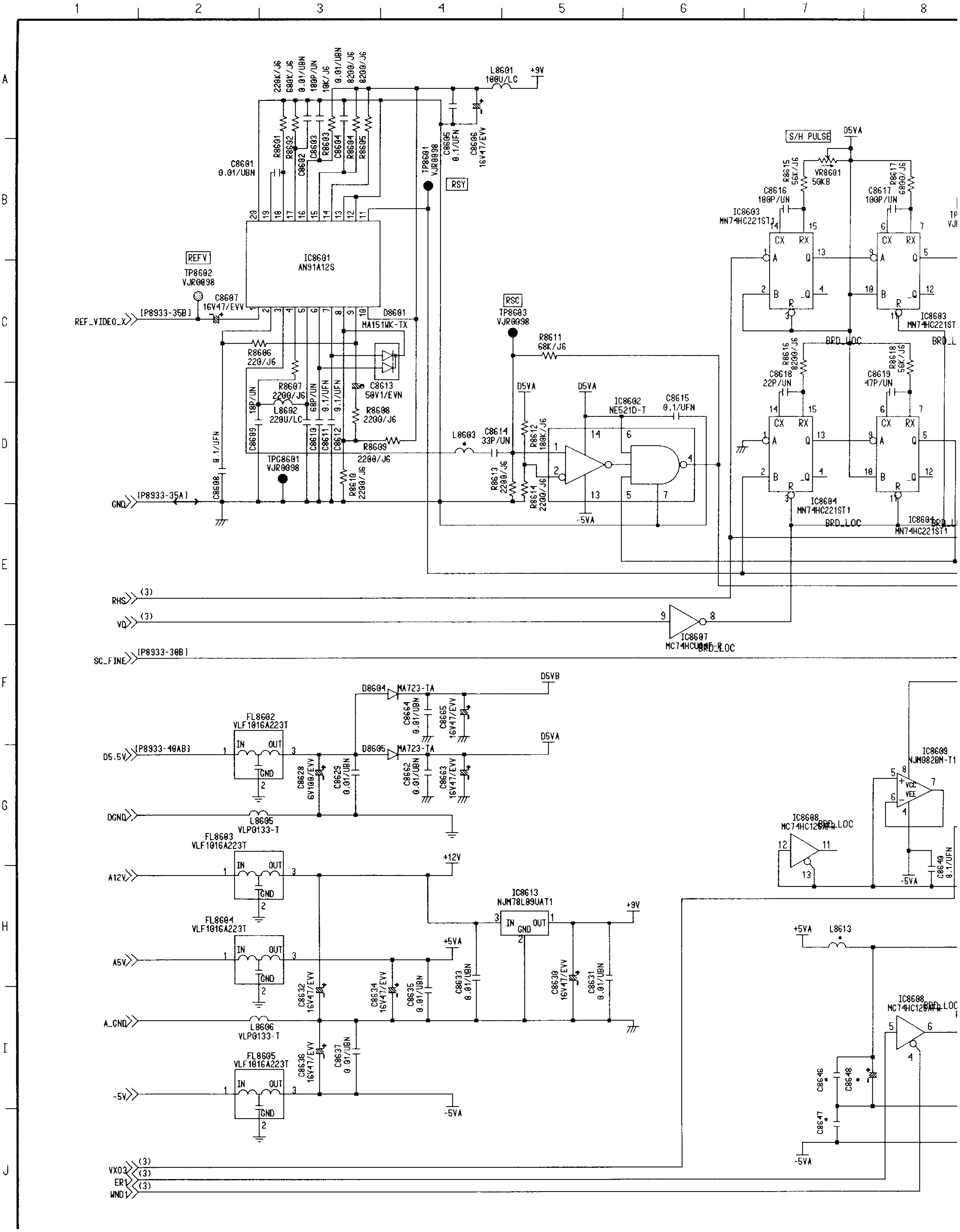
REF. NO.	IC8011									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	1.5	0	2.6	0	1.5	2.4	0	5.1	0	0
REC	1.5	0	2.6	0	1.5	2.4	0	5.1	0	5.2
REF. NO.	IC8011									
MODE	11	12	13	14						
EJECT	5.1	4.6	0	5.1						
REC	0	0.1	0	5.1						
REF. NO.	IC8551									
MODE	1	2	3	4	5					
EJECT	4.9	0	0	0	5.2					
REC	4.9	0	0	0	5.2					
REF. NO.	IC8552									
MODE	1	2	3	4	5					
EJECT	5.2	0.2	0	0	5.2					
REC	5.2	0.2	0	0	5.2					

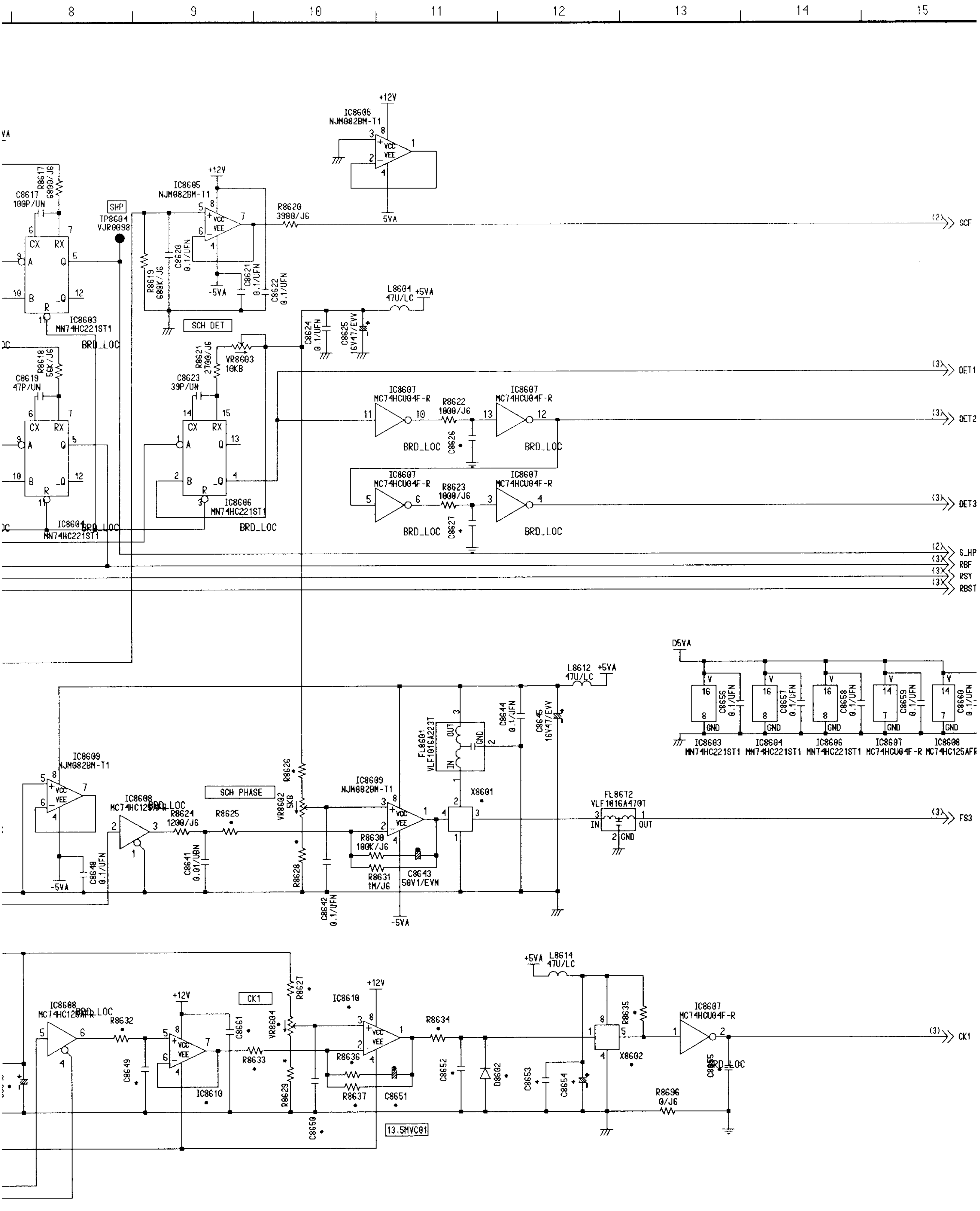
TBC (1) COMPARISON CHART 9/9
(E11: Page CBA-9)

============ ============

REF	AG-8700 AG-8600
C8080	*PAT/UN
C8215	*PAT/UN
C8216	*PAT/UN
C8520	*PAT/UN
D8003	*PAT
D8004	*PAT
D8005	*PAT
D8152	*PAT
IC8162	*PAT
QR8001	*PAT
R8098	*PAT/J6
R8258	*PAT/J6
R8315	*PAT/J6
R8318	*PAT/J6
R8322	*PAT/J6
R8403	*PAT/J6
R8406	*PAT/J6
R8413	*PAT/J6
R8566	*PAT/J6
VR3801	*PAT

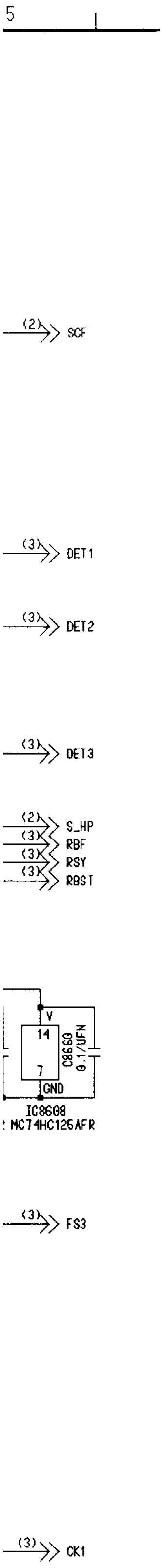
SYNC GEN-1 SCHEMATIC DIAGRAM 1/6 (E12: Page CBA-10)


1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
I
J
IC8601
AN91A12S
L8601
100U/LC
+9V
R8601
R8602
C8603
R8603
C8604
R8604
R8605
220K/J6
680K/J6
0.01/UBN
100P/UN
10K/J6
0.01/UBN
8200/J6
8200/J6
C8601
0.01/UBN
C8602
TP8601
VJR0098
RSY
C8605
0.1/UFN
C8606
16V47/EVV
REFV
TP8602
VJR0098
C8607
16V47/EVV
REF_VIDEO_X
[P8933-35B]
D8601
MA151WK-TX
R8606
220/J6
R8607
2200/J6
L8602
220U/LC
C8613
50V1/EVN
R8608
2200/J6
R8609
2200/J6
C8608
0.1/UFN
C8609
18P/UN
C8610
68P/UN
C8611
0.1/UFN
C8612
0.1/UFN
TPG8601
VJR0098
R8610
2200/J6
GND
[P8933-35A]
RSC
TP8603
VJR0098
R8611
68K/J6
D5VA
L8603
C8614
33P/UN
R8612
100K/J6
R8613
2200/J6
R8614
2200/J6
IC8602
NE521D-T
C8615
0.1/UFN
-5VA
S/H PULSE
VR8601
50KB
R8615
56K/J6
R8617
6800/J6
C8616
100P/UN
C8617
100P/UN
IC8603
MN74HC221ST1
CX
RX
A
B
Q
R
BRD_LOC
R8616
8200/J6
R8618
56K/J6
C8618
22P/UN
C8619
47P/UN
IC8604
MN74HC221ST1
RHS
VD
(3)
IC8607
MC74HCU04F-R
SC_FINE
[P8933-30B]
D5VB
D8604
MA723-TA
C8664
0.01/UBN
C8665
16V47/EVV
FL8602
VLF1016A223T
IN
OUT
GND
D5.5V
[P8933-40AB]
D8605
MA723-TA
C8628
6V100/EVV
C8629
0.01/UBN
C8662
0.01/UBN
C8663
16V47/EVV
DGND
L8605
VLP0133-T
FL8603
VLF1016A223T
A12V
+12V
IC8613
NJM78L09UAT1
FL8604
VLF1016A223T
A5V
+5VA
C8632
16V47/EVV
C8634
16V47/EVV
C8635
0.01/UBN
C8633
0.01/UBN
C8630
16V47/EVV
C8631
0.01/UBN
A_GND
L8606
VLP0133-T
FL8605
VLF1016A223T
C8636
16V47/EVV
C8637
0.01/UBN
-5V
IC8609
NJM082BM-T1
VCC
VEE
IC8608
MC74HC125AFR
C8640
0.1/UFN
L8613
C8646
C8648
C8647
VXO3
ER1
WND1


8
9
10
11
12
13
14
15
VA
R8617
6800/J6
C8617
100P/UN
SHP
TP8604
VJR0098
CX
RX
A
Q
B
_Q
R
IC8603
MN74HC221ST1
BRD_LOC
+12V
IC8605
NJM082BM-T1
VCC
VEE
R8620
3900/J6
SCF
R8619
680K/J6
C8620
0.1/UFN
C8621
0.1/UFN
C8622
0.1/UFN
-5VA
SCH DET
L8604
47U/LC
+5VA
C8624
0.1/UFN
C8625
16V47/EVV
R8618
56K/J6
C8619
47P/UN
R8621
2700/J6
VR8603
10KB
C8623
39P/UN
IC8606
MN74HC221ST1
IC8604
MN74HC221ST1
IC8607
MC74HCU04F-R
R8622
1000/J6
C8626
R8623
1000/J6
C8627
DET1
DET2
DET3
S_HP
RBF
RSY
RBST
D5VA
L8612
47U/LC
FL8601
VLF1016A223T
OUT
IN
GND
C8644
0.1/UFN
C8645
16V47/EVV
C8656
0.1/UFN
C8657
0.1/UFN
C8658
0.1/UFN
C8659
0.1/UFN
C8660
IC8608
MC74HC125AFR
IC8609
NJM082BM-T1
SCH PHASE
R8624
1200/J6
R8625
R8626
VR8602
5KB
R8628
C8641
0.01/UBN
C8640
0.1/UFN
C8642
0.1/UFN
R8630
100K/J6
R8631
1M/J6
C8643
50V1/EVN
X8601
FL8672
VLF1016A470T
FS3
L8614
47U/LC
CK1
R8627
VR8604
IC8610
R8632
C8649
C8661
R8633
R8629
C8650
R8634
R8636
R8637
C8651
C8652
D8602
C8653
C8654
X8602
R8635
R8696
0/J6
C8655
13.5MVC01

•=REFER TO THE COMPARISON CHART

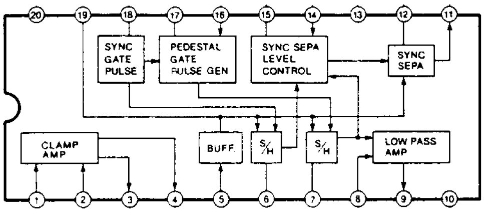
Ref No.8600 Serie


5
(2) SCF
(3) DET1
(3) DET2
(3) DET3
(2) S_HP
(3) RBF
(3) RSY
(3) RBST
V
14
7
GND
C8660
0.1/UFN
IC8608
: MC74HC125AFR
(3) FS3
(3) CK1

SYNC GEN-1 DC VOLTAGE CHART

REF. NO.	IC8601									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	3.8	4.3	4.5	5.3	5.3	4.5	4.5	4.5	4.3	8.9
REC	3.8	4.3	4.6	5.3	5.3	4.6	4.6	4.6	4.3	8.0
REF. NO.	IC8601									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	5.2	0	0	8.6	8.9	0.3	5.3	2.4	5.2	0
REC	5.2	0	0	8.6	8.9	0.4	5.3	2.4	5.3	0
REF. NO.	IC8602									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0.1	0.1	0	4.2	0.1	5.2	0	0.1	5.2	0
REC	0.1	0.1	0	0	0.1	5.2	0	0	5.2	0
REF. NO.	IC8602									
MODE	11	12	13	14						
EJECT	−0.5	0	−5.0	5.2						
REC	−0.5	0	−5.0	5.2						
REF. NO.	IC8603									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	5.2	5.2	5.2	5.2	0	0	5.2	0	0	5.2
REC	5.2	5.2	5.2	5.2	0	0	5.2	0	0	5.2
REF. NO.	IC8603									
MODE	11	12	13	14	15	16				
EJECT	5.0	5.2	0	0	5.1	5.2				
REC	5.0	5.2	0	0	5.1	5.2				
REF. NO.	IC8604									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	5.2	5.0	5.2	0.1	0	5.1	0	0	5.2
REC	0	5.2	5.0	5.2	0.1	0	5.1	0	0	5.2
REF. NO.	IC8604									
MODE	11	12	13	14	15	16				
EJECT	5.0	5.2	0	0	5.2	5.2				
REC	5.0	5.2	0	0	5.2	5.2				
REF. NO.	IC8605									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−5.0	0	0	0	11.6		
REC	0	0	0	−5.0	0	0	0	11.6		
REF. NO.	IC8606									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	5.2	4.9	5.0	5.2	2.2	0	2.6	0	0	1.2
REC	5.2	5.0	5.0	5.2	2.3	0	2.3	0	0	1.2
REF. NO.	IC8606									
MODE	11	12	13	14	15	16				
EJECT	4.9	2.5	0	0	4.9	5.2				
REC	4.9	2.5	0	0	5.0	5.2				
REF. NO.	IC8607									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	2.3	2.6	0	5.2	5.2	0	0	5.0	0.1	0
REC	2.3	0	0	5.2	5.2	0	0	5.0	0.2	0
REF. NO.	IC8607									
MODE	11	12	13	14						
EJECT	5.2	5.2	0	5.2						
REC	5.2	5.2	0	5.2						
REF. NO.	IC8608									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	2.6	2.6	5.1	2.5	2.4	0	0.5	0	3.9
REC	0	2.6	2.6	5.1	2.6	2.4	0	0.6	0	3.9
REF. NO.	IC8608									
MODE	11	12	13	14						
EJECT	0	0	0	5.2						
REC	0	0	0	5.2						
REF. NO.	IC8609									
MODE	1	2	3	4	5	6	7	8		
EJECT	2.5	2.6	2.6	−5.0	0	0	0	4.9		
REC	2.6	2.6	2.6	−5.0	0	0	0	4.9		
REF. NO.	IC8610									
MODE	1	2	3	4	5	6	7	8		
EJECT	2.4	2.4	2.4	−5.0	2.4	2.4	2.4	11.6		
REC	2.4	2.4	2.4	−5.0	2.4	2.4	2.4	11.6		
REF. NO.	IC8613									
MODE	1	2	3							
EJECT	9.1	0	11.6							
REC	9.1	0	11.6							

IC8601
AN91A12S


20
19
18
17
16
15
14
13
12
11
SYNC GATE PULSE
PEDESTAL GATE PULSE GEN
SYNC SEPA LEVEL CONTROL
SYNC SEPA
CLAMP AMP
BUFF
S/H
S/H
LOW PASS AMP
1
2
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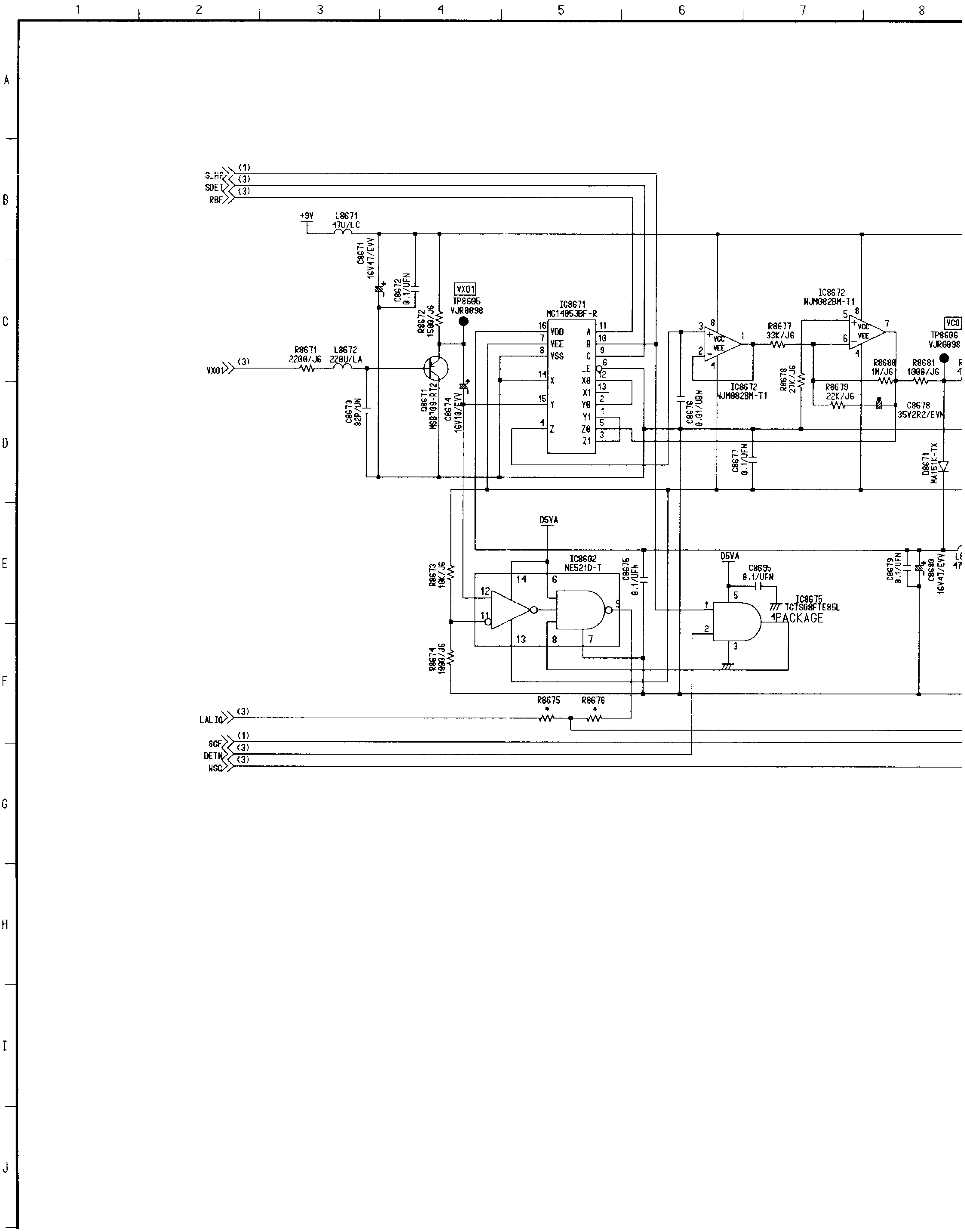
9
10

ISON CHART
Series.

SYNC GEN-2 SCHEMATIC DIAGRAM 2/6 (E12: Page CBA-10)


1
2
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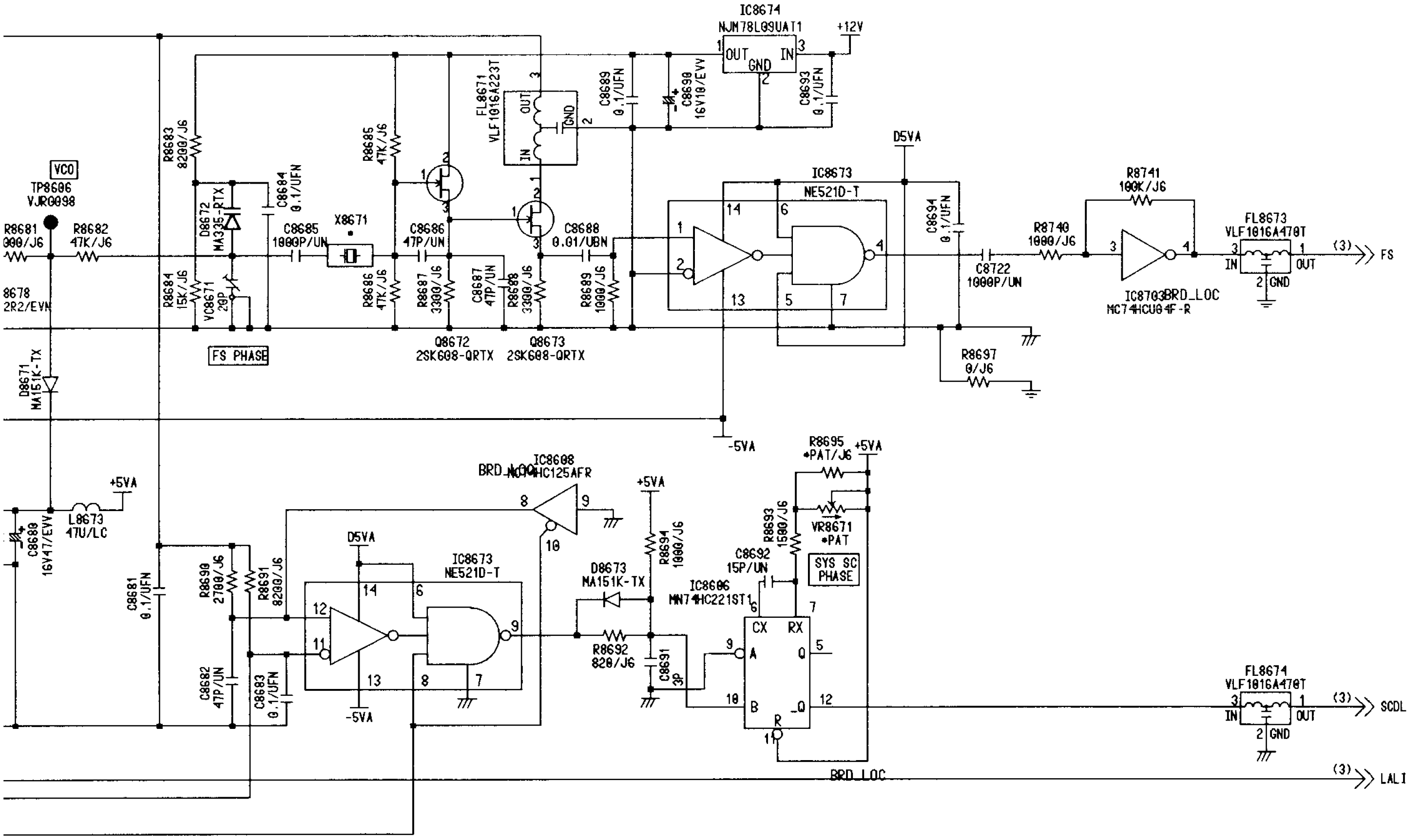
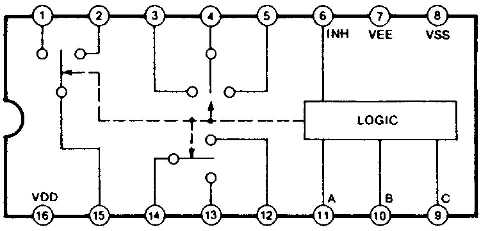
4
5
6
7
8
A
B
C
D
E
F
G
H
I
J
S_HP
SDET
RBF
(1)
(3)
(3)
+9V
L8671
47U/LC
C8671
16V47/EVV
C8672
0.1/UFN
VX01
TP8605
VJR0098
R8672
1500/J6
IC8671
MC14053BF-R
16 VDD
7 VEE
8 VSS
14 X
15 Y
4 Z
A 11
B 10
C 9
_E 6
X0 12
X1 13
Y0 2
Y1 1
Z0 5
Z1 3
VX01
(3)
R8671
2200/J6
L8672
220U/LA
C8673
82P/UN
Q8671
MSB709-RT2
C8674
16V10/EVV
C8676
0.01/UBN
IC8672
NJM082BM-T1
R8677
33K/J6
IC8672
NJM082BM-T1
VCC
VEE
R8678
27K/J6
R8679
22K/J6
VCO
TP8606
VJR0098
R8680
1M/J6
R8681
1000/J6
C8678
35V2R2/EVN
C8677
0.1/UFN
D8671
MA151K-TX
D5VA
IC8602
NE521D-T
14
6
12
11
13
8
7
9
R8673
10K/J6
R8674
1000/J6
C8675
0.1/UFN
D5VA
C8695
0.1/UFN
IC8675
TC7S08FTE85L
4PACKAGE
1
2
3
5
C8679
0.1/UFN
C8680
16V47/EVV
L8
47
R8675
R8676
LALIO
(3)
SCF
DETN
WSC
(1)
(3)
(3)


IC8674
NJM78L09UAT1
OUT GND IN
+12V
C8689 0.1/UFN
C8690 16V10/EVV
C8693 0.1/UFN
FL8671 VLF1016A223T
D5VA
IC8673 NE521D-T
R8741 100K/J6
R8683 8200/J6
R8685 47K/J6
VCO
TP8606 VJR0098
R8681 000/J6
R8682 47K/J6
D8672 MA335-RTX
C8684 0.1/UFN
C8685 1000P/UN
X8671
C8686 47P/UN
C8688 0.01/UBN
C8694 0.1/UFN
R8740 1000/J6
C8722 1000P/UN
IC8703 BRD_LOC MC74HCU04F-R
FL8673 VLF1016A470T
IN OUT GND
(3) FS
8678 2R2/EVN
R8684 15K/J6
VC8671 20P
R8686 47K/J6
R8687 3300/J6
C8687 47P/UN
R8688 3300/J6
R8689 1000/J6
FS PHASE
Q8672 2SK608-QRTX
Q8673 2SK608-QRTX
R8697 0/J6
D8671 MA151K-TX
-5VA
IC8608 MC74HC125AFR
BRD_LOC
R8695 *PAT/J6
+5VA
VR8671 *PAT
R8693 1500/J6
SYS SC PHASE
L8673 47U/LC
C8680 16V47/EVV
C8681 0.1/UFN
R8690 2700/J6
R8691 8200/J6
C8682 47P/UN
C8683 0.1/UFN
R8694 1000/J6
D8673 MA151K-TX
C8692 15P/UN
IC8606 MN74HC221ST1
CX RX A Q B Q R
R8692 820/J6
C8691 3P
FL8674 VLF1016A470T
(3) SCDL
BRD_LOC
(3) LALI

IC8671
MC14053BF-R


1 2 3 4 5 6 7 8
INH VEE VSS
LOGIC
VDD
16 15 14 13 12 11 10 9
A B C

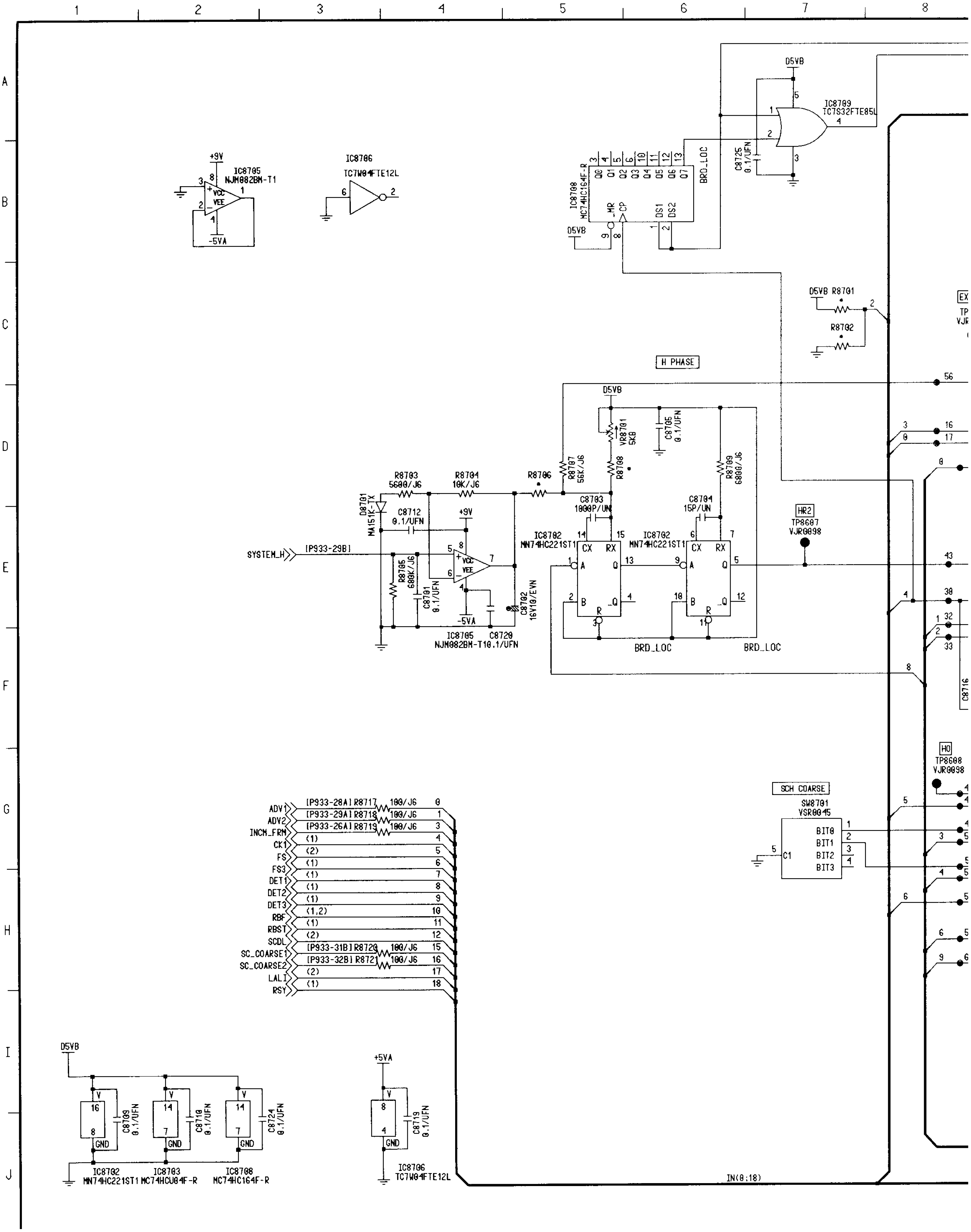
*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART

Ref No.8671✓ Series.

SYNC GEN-2 DC VOLTAGE CHART

REF. NO.	IC8602									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0.1	0.1	0	4.2	0.1	5.2	0	0.1	5.2	0
REC	0.1	0.1	0	0	0.1	5.2	0	0	5.2	0
REF. NO.	IC8602									
MODE	11	12	13	14						
EJECT	-0.5	0	-5.0	5.2						
REC	-0.5	0	-5.0	5.2						
REF. NO.	IC8606									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	5.2	4.9	5.0	5.2	2.2	0	2.6	0	0	1.2
REC	5.2	5.0	5.0	5.2	2.3	0	2.3	0	0	1.2
REF. NO.	IC8606									
MODE	11	12	13	14	15	16				
EJECT	4.9	2.5	0	0	4.9	5.2				
REC	4.9	2.5	0	0	5.0	5.2				
REF. NO.	IC8608									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	2.6	2.6	5.1	2.5	2.4	0	0.5	0	3.9
REC	0	2.6	2.6	5.1	2.6	2.4	0	0.6	0	3.9
REF. NO.	IC8608									
MODE	11	12	13	14						
EJECT	0	0	0	5.2						
REC	0	0	0	5.2						
REF. NO.	IC8671									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	0	0	0	0	0	-5.0	0	0	0
REC	0	0	0	-0.1	-0.2	0	-5.0	0	0	0
REF. NO.	IC8671									
MODE	11	12	13	14	15	16				
EJECT	0.1	0	0	0	0	4.9				
REC	0.1	0	0	0	0	4.9				
REF. NO.	IC8672									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	-5.0	0	0.3	-0.2	9.0		
REC	0	0	0	-5.0	0	0.3	-0.2	9.0		
REF. NO.	IC8673									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	0	0	1.5	5.2	5.2	0	3.9	1.2	0
REC	0	0	0	1.6	5.2	5.2	0	3.9	1.2	0
REF. NO.	IC8673									
MODE	11	12	13	14						
EJECT	2.9	0.5	-5.0	5.2						
REC	3.0	0.6	-5.0	5.2						
REF. NO.	IC8674									
MODE	1	2	3							
EJECT	9.1	0	11.6							
REC	9.1	0	11.6							
REF. NO.	IC8675									
MODE	1	2	3	4	5					
EJECT	0	0	0	0.1	5.2					
REC	0	0	0	0.1	5.2					
REF. NO.	IC8703									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	1.1	4.1	2.5	2.5	2.6	2.6	0	5.2	5.2	2.4
REC	1.1	4.1	2.5	2.5	2.6	2.6	0	5.2	5.2	2.3
REF. NO.	IC8703									
MODE	11	12	13	14						
EJECT	2.6	2.5	2.6	5.2						
REC	2.6	2.5	2.6	5.2						
REF. NO.	Q8671			Q8672			Q8673			
MODE	E	C	B	G	S	D	G	S	D	
EJECT	3.3	0	2.6	4.5	4.9	9.1	4.9	8.2	9.0	
REC	3.3	0	2.6	4.5	4.9	9.1	4.9	8.2	9.0	

SYNC GEN-3 SCHEMATIC DIAGRAM 3/6 (E12: Page CBA-10)



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6
7
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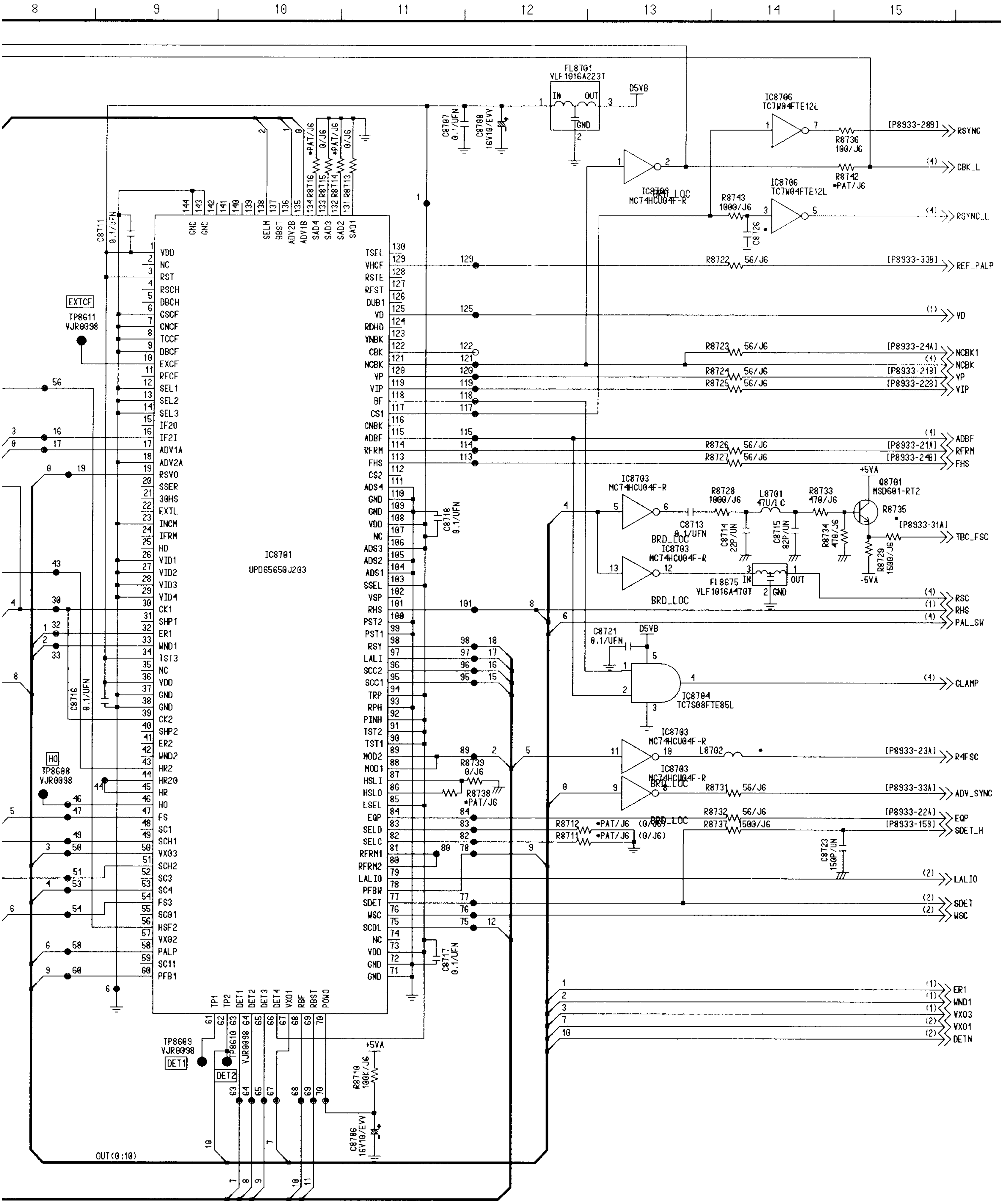
A
B
C
D
E
F
G
H
I
J
+9V
IC8705
NJM082BM-T1
VCC
VEE
-5VA
IC8706
TC7W04FTE12L
D5VB
IC8709
TC7S32FTE85L
IC8708
MC74HC164F-R
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
_MR
CP
DS1
DS2
BRD_LOC
C8725
0.1/UFN
R8701
R8702
EX
TP
VJR
H PHASE
56
VR8701
5KB
C8705
0.1/UFN
R8707
56K/J6
R8708
R8709
6800/J6
R8703
5600/J6
R8704
10K/J6
R8706
D8701
MA151K-TX
C8712
0.1/UFN
C8703
1000P/UN
C8704
15P/UN
IC8702
MN74HC221ST1
CX
RX
HR2
TP8607
VJR0098
SYSTEM_H
[P933-29B]
R8705
680K/J6
C8701
0.1/UFN
C8702
16V10/EVN
C8720
NJM082BM-T10.1/UFN
BRD_LOC
BRD_LOC
43
38
32
33
16
17
C8716
HO
TP8608
VJR0098
SCH COARSE
SW8701
VSR0045
C1
BIT0
BIT1
BIT2
BIT3
ADV1
ADV2
INCM_FRM
CK1
FS
FS3
DET1
DET2
DET3
RBF
RBST
SCDL
SC_COARSE1
SC_COARSE2
LALI
RSY
[P933-28A] R8717 100/J6
[P933-29A] R8718 100/J6
[P933-26A] R8719 100/J6
(1)
(2)
(1)
(1)
(1)
(1)
(1)
(1,2)
(1)
(2)
[P933-31B] R8720 100/J6
[P933-32B] R8721 100/J6
(2)
(1)
D5VB
GND
C8709
0.1/UFN
C8710
0.1/UFN
C8724
0.1/UFN
IC8702
MN74HC221ST1
IC8703
MC74HCU04F-R
IC8708
MC74HC164F-R
+5VA
C8719
0.1/UFN
IC8706
TC7W04FTE12L
IN(0:18)



8
9
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12
13
14
15
FL8701
VLF1016A223T
IN
OUT
GND
D5VB
C8707
0.1/UFN
C8708
16V10/EVV
IC8706
TC7W04FTE12L
[P8933-28B]
RSYNC
R8736
100/J6
IC8703
MC74HCU04F-R
BRD_LOC
R8742
*PAT/J6
CBK_L
R8743
1000/J6
C8726
RSYNC_L
R8716
R8715
R8714
R8713
*PAT/J6
0/J6
C8711
0.1/UFN
IC8701
UPD65650J203
VDD
NC
RST
RSCH
DBCH
CSCF
CNCF
TCCF
DBCF
EXCF
RFCF
SEL1
SEL2
SEL3
IF2O
IF2I
ADV1A
ADV2A
RSVO
SSER
30HS
EXTL
INCM
IFRM
HD
VID1
VID2
VID3
VID4
CK1
SHP1
ER1
WND1
TST3
NC
VDD
GND
GND
CK2
SHP2
ER2
WND2
HR2
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HO
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SCH1
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SCH2
SC3
SC4
FS3
SC01
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VXO2
PALP
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GND
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BBST
ADV2B
ADV1B
SAD4
SAD3
SAD2
SAD1
TSEL
VHCF
RSTE
REST
DUB1
VD
RDHD
YNBK
CBK
NCBK
VP
VIP
BF
CS1
CNBK
ADBF
RFRM
FHS
CS2
ADS4
GND
GND
VDD
NC
ADS3
ADS2
ADS1
SSEL
VSP
RHS
PST2
PST1
RSY
LALI
SCC2
SCC1
TRP
RPH
PINH
TST2
TST1
MOD2
MOD1
HSLI
HSLO
LSEL
EQP
SELD
SELC
RFRM1
RFRM2
LALIO
PFBW
SDET
WSC
SCDL
NC
VDD
GND
GND
TP1
TP2
DET1
DET2
DET3
DET4
VXO1
RBF
RBST
POWO
EXTCF
TP8611
VJR0098
HO
TP8608
VJR0098
TP8609
VJR0098
DET1
TP8610
VJR0098
DET2
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C8718
0.1/UFN
C8717
0.1/UFN
R8722 56/J6
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VD
R8723 56/J6
[P8933-24A]
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NCBK
R8724 56/J6
[P8933-21B]
VP
R8725 56/J6
[P8933-22B]
VIP
ADBF
R8726 56/J6
[P8933-21A]
RFRM
R8727 56/J6
[P8933-24B]
FHS
+5VA
Q8701
MSD601-RT2
R8728
1000/J6
L8701
47U/LC
R8733
470/J6
R8735
C8713
0.1/UFN
C8714
22P/UN
C8715
82P/UN
R8734
470/J6
R8729
1500/J6
*[P8933-31A]
TBC_FSC
-5VA
FL8675
VLF1016A470T
RSC
RHS
PAL_SW
C8721
0.1/UFN
D5VB
IC8704
TC7S08FTE85L
CLAMP
L8702
[P8933-23A]
R4FSC
R8739
0/J6
R8738
*PAT/J6
R8731 56/J6
[P8933-33A]
ADV_SYNC
R8712 *PAT/J6 (0/J6)
R8711 *PAT/J6 (0/J6)
R8732 56/J6
[P8933-22A]
EQP
R8737 1500/J6
[P8933-15B]
SDET_H
C8723
150P/UN
LALIO
SDET
WSC
ER1
WND1
VXO3
VXO1
DETN
R8710
100K/J6
C8706
16V10/EVV
+5VA
OUT(0:10)

*=REFER TO THE COMPARISON CHART

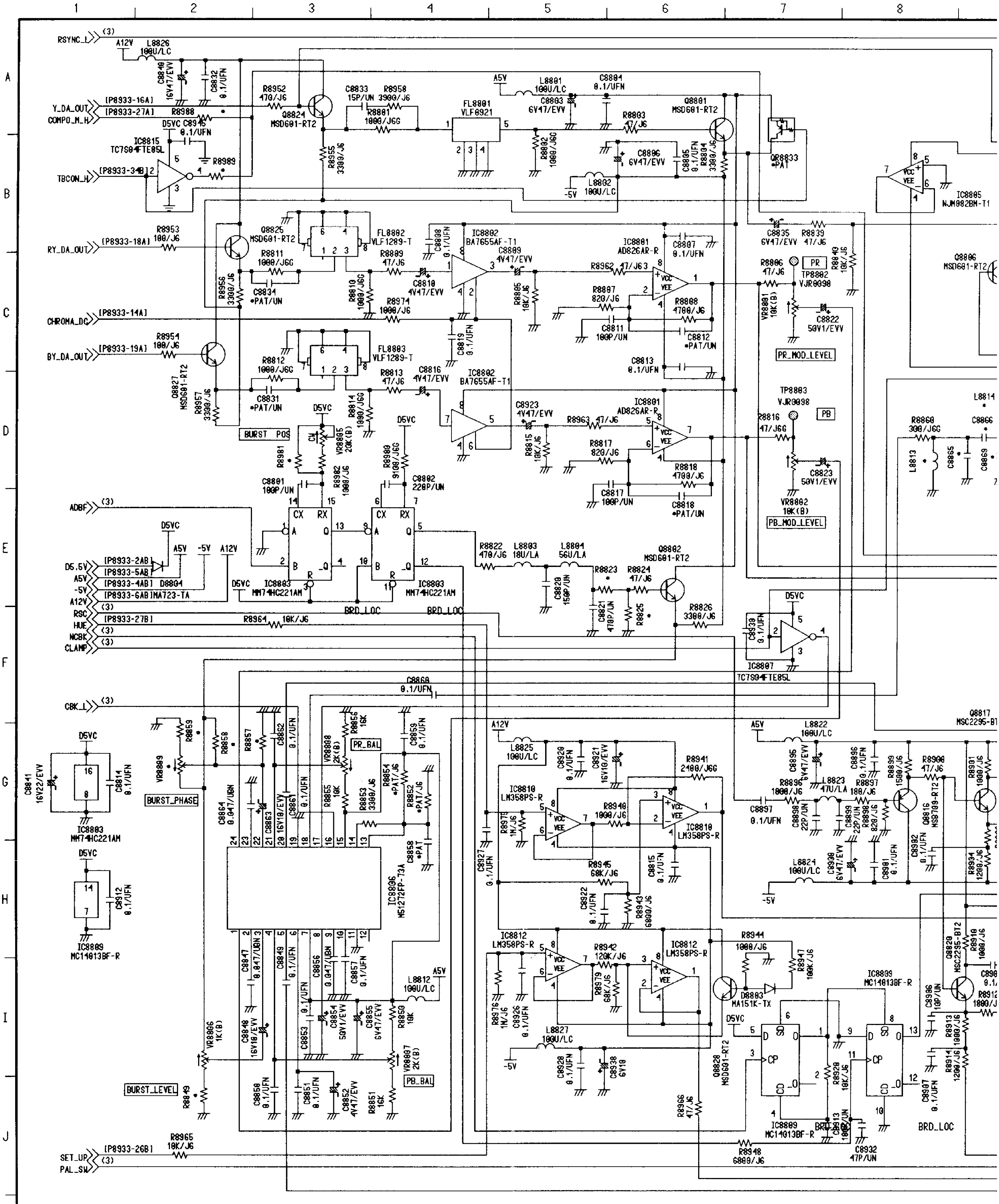
Ref No.8701✓ Series.

SYNC GENE-3 DC VOLTAGE CHART

REF. NO.	IC8701									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	5.2	0	5.2	0	0	0	0	0	0	5.2
REC	5.2	0	5.2	0	0	0	0	0	0	5.2
REF. NO.	IC8701									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	5.2	0	0	0	0	5.2	5.2	0	5.2	5.2
REC	5.2	0	0	0	5.2	5.2	5.2	0.1	5.2	5.2
REF. NO.	IC8701									
MODE	21	22	23	24	25	26	27	28	29	30
EJECT	5.2	5.2	0	5.2	0.5	0	0	0	0	2.6
REC	5.2	5.2	0	5.2	0.5	0	0	0	0	2.7
REF. NO.	IC8701									
MODE	31	32	33	34	35	36	37	38	39	40
EJECT	5.1	2.5	5.1	5.2	0	5.2	0	0	2.6	5.1
REC	5.1	2.6	5.1	5.2	0	5.2	0	0	2.7	5.1
REF. NO.	IC8701									
MODE	41	42	43	44	45	46	47	48	49	50
EJECT	2.6	5.1	0	0	0	2.6	2.6	2.6	5.2	2.6
REC	2.6	5.1	0	0	0	2.7	2.6	2.6	5.2	2.6
REF. NO.	IC8701									
MODE	51	52	53	54	55	56	57	58	59	60
EJECT	5.2	2.6	2.6	2.3	2.6	5.2	2.6	2.6	5.2	0
REC	5.2	2.6	2.6	2.3	2.6	5.2	2.6	2.6	5.2	0
REF. NO.	IC8701									
MODE	61	62	63	64	65	66	67	68	69	70
EJECT	5.2	0	5.2	5.2	5.2	5.2	2.6	0.1	4.2	5.1
REC	2.6	0	5.2	5.2	5.2	5.2	2.6	0.1	4.2	5.2
REF. NO.	IC8701									
MODE	71	72	73	74	75	76	77	78	79	80
EJECT	0	0	5.2	0	2.4	3.8	0	0	5.2	0
REC	0	0	5.2	0	2.5	3.9	0	0	5.2	5.2
REF. NO.	IC8701									
MODE	81	82	83	84	85	86	87	88	89	90
EJECT	0	5.2	5.2	0.4	5.2	0	0	5.2	5.2	5.2
REC	5.2	5.2	5.2	0.4	5.2	0	0	5.2	5.2	5.2
REF. NO.	IC8701									
MODE	91	92	93	94	95	96	97	98	99	100
EJECT	5.2	5.2	0	5.2	0	0	5.2	5.2	0	0
REC	5.2	5.2	0	5.2	0.1	0.1	5.2	5.2	0	0
REF. NO.	IC8701									
MODE	101	102	103	104	105	106	107	108	109	110
EJECT	5.2	0.8	5.2	0	0	5.2	0	5.2	0	0
REC	5.2	0.8	5.2	0	0	5.2	0	5.2	0	0
REF. NO.	IC8701									
MODE	111	112	113	114	115	116	117	118	119	120
EJECT	0	0.5	0.4	5.2	0.2	1.3	0.4	0.2	0	0
REC	0	0.5	0	5.2	0.2	1.9	0.4	0.2	0	0.1
REF. NO.	IC8701									
MODE	121	122	123	124	125	126	127	128	129	130
EJECT	1.1	1.5	1.0	1.0	0.2	5.2	5.2	5.2	5.2	5.2
REC	1.1	1.4	1.7	0.3	0.2	0	0	5.2	5.2	0
REF. NO.	IC8701									
MODE	131	132	133	134	135	136	137	138	139	140
EJECT	0	5.2	0	5.2	5.2	5.2	5.2	5.2	5.2	5.2
REC	0	5.2	0	5.2	5.2	5.2	5.2	5.2	5.2	5.2
REF. NO.	IC8701									
MODE	141	142	143	144						
EJECT	5.2	5.2	0	0						
REC	5.2	5.2	0	0						
REF. NO.	IC8702									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	5.2	5.2	5.2	5.2	0	0	5.2	0	0	5.2
REC	5.2	5.2	5.2	5.2	0	0	5.2	0	0	5.2
REF. NO.	IC8702									
MODE	11	12	13	14	15	16				
EJECT	5.2	5.2	0	0	4.0	5.2				
REC	5.2	5.2	0	0	4.0	5.2				
REF. NO.	IC8703									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	1.1	4.1	2.5	2.5	2.6	2.6	0	5.2	5.2	2.4
REC	1.1	4.1	2.5	2.5	2.6	2.6	0	5.2	5.2	2.3
REF. NO.	IC8703									
MODE	11	12	13	14						
EJECT	2.6	2.5	2.6	5.2						
REC	2.6	2.5	2.6	5.2						

REF. NO.	IC8704									
MODE	1	2	3	4	5					
EJECT	0.2	0.2	0	0.1	5.2					
REC	0.2	0.2	0	0.1	5.2					
REF. NO.	IC8705									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−5.0	0	0	0	9.1		
REC	0	0	0	−5.0	0	0	0	9.1		
REF. NO.	IC8706									
MODE	1	2	3	4	5	6	7	8		
EJECT	0.4	4.9	0.4	0	4.5	0	4.5	4.9		
REC	0.4	4.9	0.4	0	4.5	0	4.6	4.9		
REF. NO.	IC8708									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	4.1	4.1	4.1	4.1	4.1	4.1	0	2.6	5.2	4.1
REC	4.1	4.1	4.1	4.1	4.1	4.1	0	2.7	5.2	4.1
REF. NO.	IC8708									
MODE	11	12	13	14						
EJECT	4.1	4.1	4.1	5.2						
REC	4.1	4.1	4.1	5.2						
REF. NO.	IC8709									
MODE	1	2	3	4	5					
EJECT	4.1	4.1	0	4.1	5.2					
REC	4.1	4.1	0	4.2	5.2					
REF. NO.	Q8701									
MODE	E	C	B							
EJECT	−0.7	4.9	0							
REC	−0.7	4.9	0							

ENCODER SCHEMATIC DIAGRAM 4/6 (E12: Page CBA-10)


1
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5
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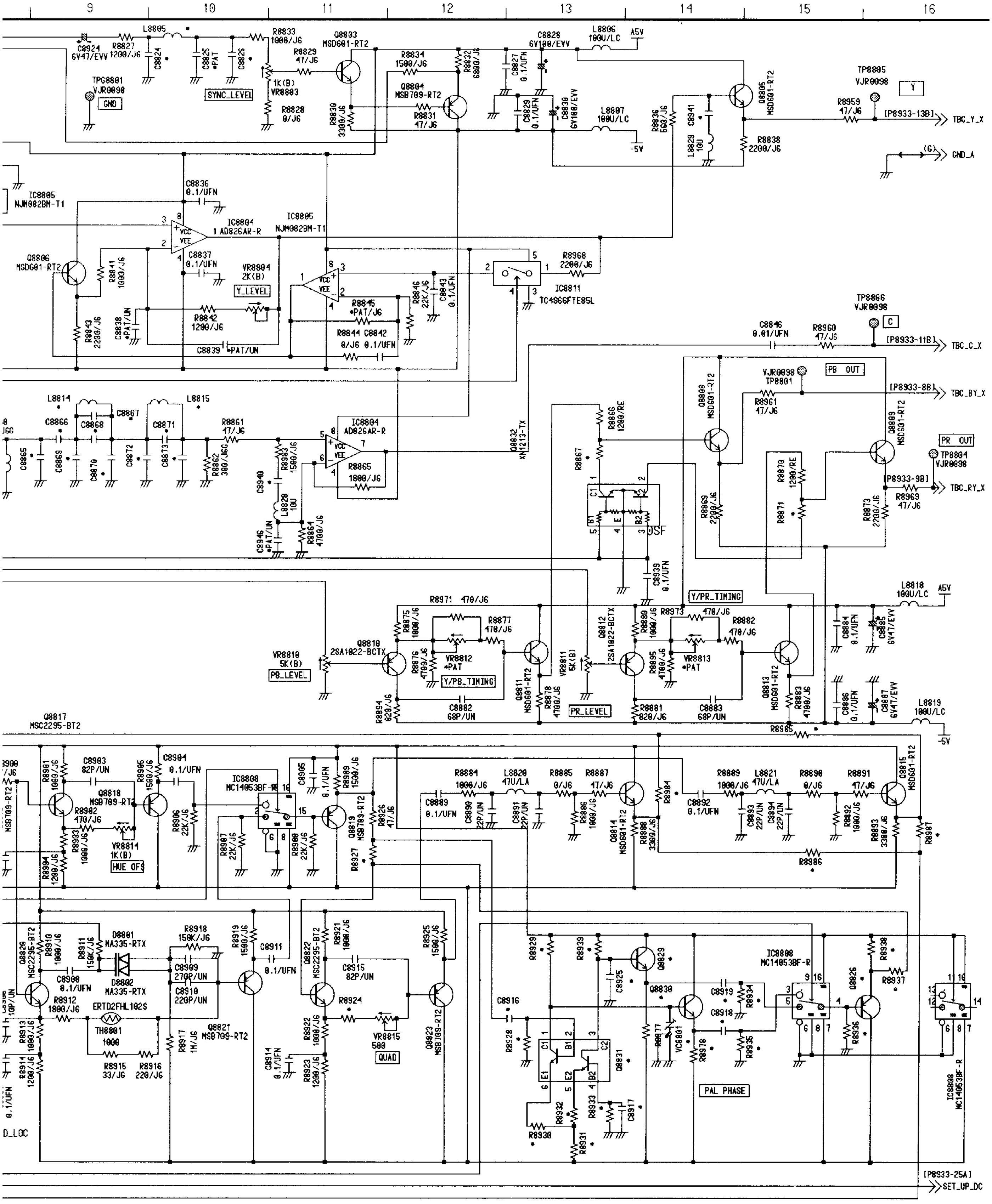
7
8
A
B
C
D
E
F
G
H
I
J
RSYNC_L
A12V
L8826 100U/LC
C8840 16V47/EVV
C8832 0.1/UFN
Y_DA_OUT [P8933-16A]
COMPO_M_H [P8933-27A]
R8988
R8952 470/J6
Q8824 MSD601-RT2
C8833 15P/UN
R8958 3900/J6
R8801 1000/J6G
FL8801 VLF0921
A5V
L8801 100U/LC
C8804 0.1/UFN
C8803 6V47/EVV
R8803 47/J6
Q8801 MSD601-RT2
R8802 1000/J6G
C8806 6V47/EVV
C8805 0.1/UFN
R8804 3300/J6
QR8833 *PAT
L8802 100U/LC
-5V
D5VC C8946 0.1/UFN
IC8815 TC7S04FTE85L
R8989
R8955 3300/J6
TBCON_H [P8933-34B]
IC8805 NJM082BM-T1
RY_DA_OUT [P8933-18A]
R8953 100/J6
Q8825 MSD601-RT2
R8811 1000/J6G
C8834 *PAT/UN
R8956 3300/J6
FL8802 VLF1289-T
C8808 0.1/UFN
IC8802 BA7655AF-T1
C8809 4V47/EVV
R8809 47/J6
C8810 4V47/EVV
R8810 1000/J6G
R8974 1000/J6
IC8801 AD826AR-R
C8807 0.1/UFN
R8962 47/J63
R8805 10K/J6
R8807 820/J6
R8808 4700/J6
C8811 100P/UN
C8812 *PAT/UN
C8813 0.1/UFN
C8835 6V47/EVV
R8839 47/J6
R8840 10K/J6
R8806 47/J6
PR
TP8802 VJR0098
VR8801 10K(B)
C8822 50V1/EVV
PR_MOD_LEVEL
Q8806 MSD601-RT2
CHROMA_DC [P8933-14A]
BY_DA_OUT [P8933-19A]
R8954 100/J6
Q8827 MSD601-RT2
R8957 3300/J6
R8812 1000/J6G
FL8803 VLF1289-T
C8819 0.1/UFN
C8831 *PAT/UN
R8813 47/J6
C8816 4V47/EVV
IC8802 BA7655AF-T1
R8814 1000/J6G
C8923 4V47/EVV
R8963 47/J6
IC8801 AD826AR-R
R8815 10K/J6
R8817 820/J6
R8818 4700/J6
C8817 100P/UN
C8818 *PAT/UN
TP8803 VJR0098
PB
R8816 47/J6G
VR8802 10K(B)
C8823 50V1/EVV
PB_MOD_LEVEL
L8814
R8860 300/J6G
C8866
L8813
C8865
C8869
BURST_POS
D5VC
VR8805 20K(B)
R8981
R8982 1000/J6
R8980 9100/J6G
C8802 220P/UN
C8801 100P/UN
ADBF
CX RX
A Q
B _Q
R
IC8803 MM74HC221AM
R8822 470/J6
L8803 18U/LA
L8804 56U/LA
R8823
R8824 47/J6
Q8802 MSD601-RT2
C8820 150P/UN
C8821 470P/UN
R8825
R8826 3300/J6
IC8807 TC7S04FTE85L
C8939 0.1/UFN
BRD_LOC
D5.5V [P8933-2AB]
A5V [P8933-5AB]
-5V [P8933-4AB] D8804
A12V [P8933-6AB] MA723-TA
RSC
HUE [P8933-27B]
NCBK
CLAMP
R8964 10K/J6
C8860 0.1/UFN
CBK_L
D5VC
C8841 16V22/EVV
C8814 0.1/UFN
IC8803 MM74HC221AM
VR8809
R8859
R8858
BURST_PHASE
R8857
C8862
C8864 0.047/UBN
C8863
C8861 16V10/EVV
VR8808 2K(B)
R8856 16K
PR_BAL
C8859 0.1/UFN
R8854 *PAT/J6
R8852 *PAT/J6
R8855 10K
R8853 3300/J6
C8858 *PAT
IC8806 M51272FP-T3A
C8912 0.1/UFN
IC8809 MC14013BF-R
C8847 0.047/UBN
C8849 0.1/UFN
C8856 0.047/UBN
C8857 0.1/UFN
L8812 100U/LC
A5V
C8848 16V10/EVV
C8854 50V1/EVV
C8855 6V47/EVV
R8850 10K
VR8806 1K(B)
VR8807 2K(B)
PB_BAL
BURST_LEVEL
R8849
C8850 0.1/UFN
C8851 0.1/UFN
C8852 4V47/EVV
R8851 16K
A12V
L8825 100U/LC
C8920 0.1/UFN
C8921 16V10/EVV
R8941 2400/J6G
IC8810 LM358PS-R
R8975 1M/J6
R8940 1000/J6
IC8810 LM358PS-R
R8945 68K/J6
C8815 0.1/UFN
C8927 0.1/UFN
C8922 0.1/UFN
R8943 6800/J6
IC8812 LM358PS-R
R8942 120K/J6
R8979 68K/J6
R8944 1000/J6
R8947 100K/J6
D8803 MA151K-TX
R8976 1M/J6
C8926 0.1/UFN
L8827 100U/LC
C8928 0.1/UFN
C8938 6V10
Q8828 MSD601-RT2
R8966 47/J6
IC8809 MC14013BF-R
D SD Q
CP
CD _Q
R8920
C8932 47P/UN
R8948 6800/J6
BRD_LOC
A5V
L8822 100U/LC
C8895 6V47/EVV
C8896 0.1/UFN
R8899 1500/J6
R8900 47/J6
R8901 1000/J6
Q8817 MSC2295-BT
R8895 1000/J6
L8823 47U/LA
R8897 180/J6
C8897 0.1/UFN
C8898 22P/UN
C8899 22P/UN
R8898 820/J6
Q8816 MSB709-RT2
L8824 100U/LC
C8900 6V47/EVV
C8901 0.1/UFN
C8902 0.1/UFN
R8934 1200/J6
Q8820 MSC2295-BT2
R8910 1000/J6
C8936 10P/UN
R8913 1000/J6
R8914 1200/J6
C8937 0.1/UFN
SET_UP [P8933-26B]
R8965 10K/J6
PAL_SW

*=REFER TO THE COMPARISON CHART

Ref No.8000 Series.


9
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11
12
13
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15
16
TPG8801
VJR0098
GND
SYNC_LEVEL
VR8803
Q8803
MSD601-RT2
Q8804
MSB709-RT2
L8805
L8806
100U/LC
A5V
L8807
100U/LC
-5V
Q8805
MSD601-RT2
TP8805
VJR0098
Y
[P8933-13B]
TBC_Y_X
(G)
GND_A
IC8805
NJM082BM-T1
IC8804
AD826AR-R
Q8806
MSD601-RT2
VR8804
2K(B)
Y_LEVEL
IC8811
TC4S66FTE85L
TP8806
VJR0098
C
[P8933-11B]
TBC_C_X
TP8801
VJR0098
PB OUT
[P8933-8B]
TBC_BY_X
Q8808
MSD601-RT2
Q8809
MSD601-RT2
PR OUT
TP8804
VJR0098
[P8933-9B]
TBC_RY_X
Q8832
XN1213-TX
L8814
L8815
IC8804
AD826AR-R
Y/PR_TIMING
L8818
100U/LC
A5V
VR8810
5K(B)
PB_LEVEL
Q8810
2SA1022-BCTX
VR8812
Y/PB_TIMING
Q8811
MSD601-RT2
VR8811
5K(B)
PR_LEVEL
Q8812
2SA1022-BCTX
VR8813
Q8813
MSD601-RT2
L8819
100U/LC
-5V
Q8817
MSC2295-BT2
Q8818
MSB709-RT2
VR8814
1K(B)
HUE OFS
IC8808
MC14053BF-R
Q8819
MSB709-RT2
L8820
47U/LA
L8821
47U/LA
Q8814
MSD601-RT2
Q8815
MSD601-RT2
Q8820
MSC2295-BT2
D8801
MA335-RTX
D8802
MA335-RTX
ERTD2FHL102S
TH8801
Q8821
MSB709-RT2
Q8822
MSC2295-BT2
VR8815
500
QUAD
Q8823
MSB709-RT2
Q8829
Q8830
Q8831
VC8801
PAL PHASE
IC8808
MC14053BF-R
Q8826
D_LOC
[P8933-25A]
SET_UP_DC

SON CHART

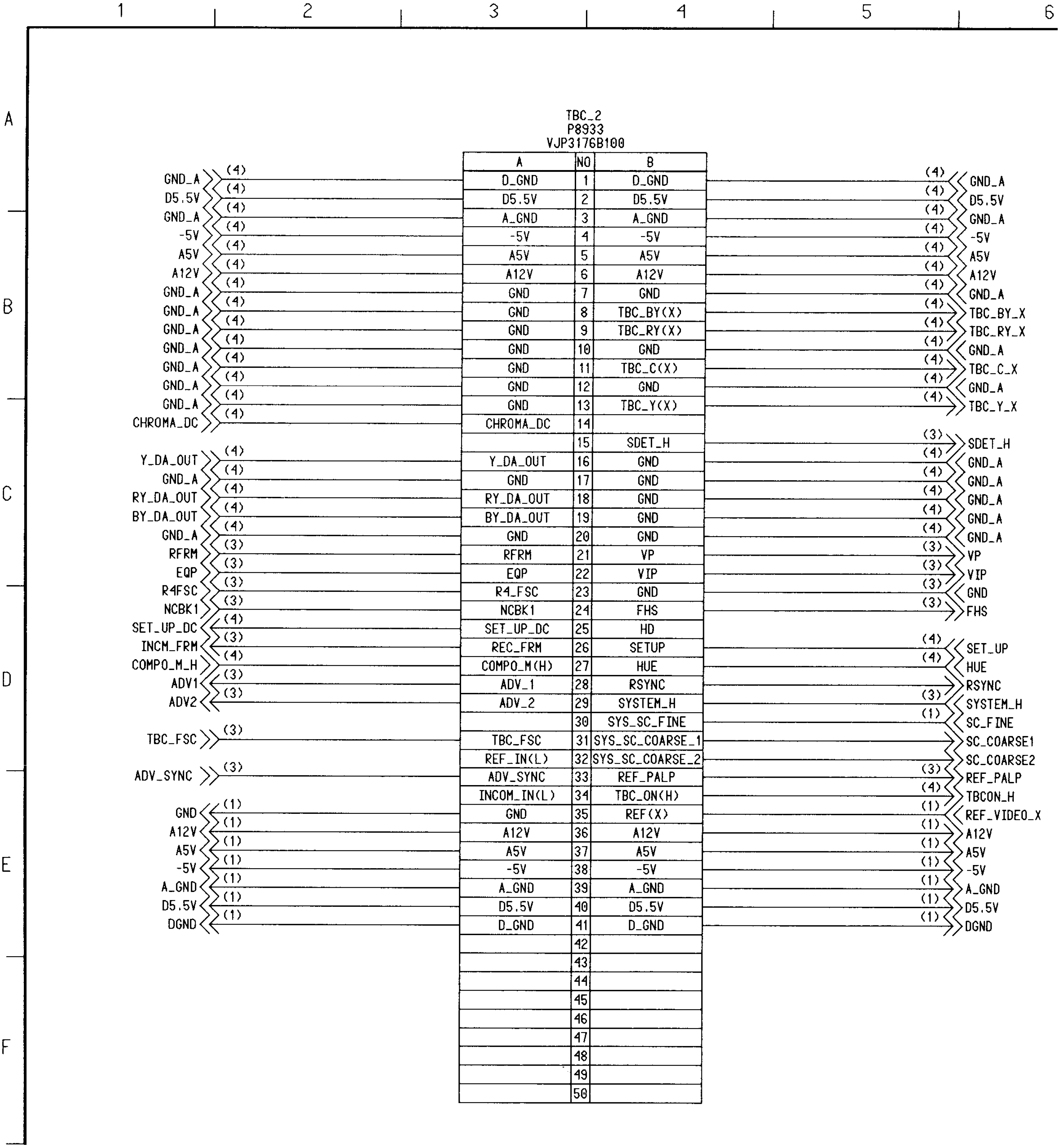
Series.

ENCODER DC VOLTAGE CHART

REF. NO.	IC8801									
MODE	1	2	3	4	5	6	7	8		
EJECT	−0.3	−0.1	−0.1	−4.9	−0.1	−0.1	−0.3	4.8		
REC	−0.2	0	0	−4.9	0	0	−0.3	4.9		
REF. NO.	IC8802									
MODE	1	2	3	4	5	6	7	8		
EJECT	2.8	3.3	2.1	0	2.1	3.3	2.8	4.8		
REC	2.8	3.4	2.1	0	2.1	3.4	2.8	4.9		
REF. NO.	IC8803									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	0.2	5.4	5.3	0.2	0	5.1	0	0.1	5.4
REC	0	0.2	5.4	5.3	0.2	0.2	5.1	0	0.1	5.4
REF. NO.	IC8803									
MODE	11	12	13	14	15	16				
EJECT	5.4	5.2	0.1	0	5.2	5.4				
REC	5.4	5.2	0.1	0	5.2	5.4				
REF. NO.	IC8804									
MODE	1	2	3	4	5	6	7	8		
EJECT	0.2	−0.1	−0.1	−4.9	0	−0.1	0	4.8		
REC	0.2	0	0	−4.9	0	0	0	4.9		
REF. NO.	IC8805									
MODE	1	2	3	4	5	6	7	8		
EJECT	0.5	0	0	−4.9	0	0	0	4.8		
REC	0.5	0	0	−4.9	0	0	0	0		
REF. NO.	IC8806									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	2.2	1.7	2.8	2.9	3.5	2.9	4.8	2.2	1.7	2.9
REC	2.3	1.8	2.8	2.9	3.5	2.9	4.8	2.2	1.7	2.9
REF. NO.	IC8806									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	0	1.8	1.4	1.4	4.8	4.2	5.2	3.0	0	3.5
REC	0	1.8	1.4	1.4	4.8	4.2	5.2	3.0	0	3.5
REF. NO.	IC8806									
MODE	21	22	23	24						
EJECT	2.9	2.8	1.7	2.2						
REC	2.9	2.8	1.7	2.3						
REF. NO.	IC8807									
MODE	1	2	3	4	5					
EJECT	0	0.1	0	5.2	5.4					
REC	0	0.1	0	5.2	5.4					
REF. NO.	IC8808									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	0.1	0	0.1	0.1	0	−4.8	0	2.6	1.0
REC	0	0	0.1	0.1	0.1	0	−4.8	0	2.6	1.0
REF. NO.	IC8808									
MODE	11	12	13	14	15	16				
EJECT	4.8	0	0	0	0.1	4.8				
REC	4.8	0	0	0	0.1	4.8				
REF. NO.	IC8809									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0.2	5.2	1.1	0.2	5.4	0	0	0.2	0	0
REC	0.2	5.2	1.1	0.2	5.4	0	0	0.2	0	0
REF. NO.	IC8809									
MODE	11	12	13	14						
EJECT	5.1	4.3	1.0	5.4						
REC	5.2	4.4	1.0	5.4						
REF. NO.	IC8810									
MODE	1	2	3	4	5	6	7	8		
EJECT	3.5	1.0	1.0	−5.0	0	0	0	11.6		
REC	3.5	1.1	1.1	−5.0	0	0	0	11.6		
REF. NO.	IC8811									
MODE	1	2	3	4	5					
EJECT	0.2	0	0	0.1	4.8					
REC	0.2	0	0	0.1	4.9					
REF. NO.	IC8812									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−5.0	0	0	0	11.6		
REC	0	0	0	−5.0	0	0	0	11.6		
REF. NO.	IC8815									
MODE	1	2	3	4	5					
EJECT	0	5.1	0	0	5.4					
REC	0	5.1	0	0	5.4					

REF. NO.	Q8801			Q8802			Q8803			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0.6	4.8	1.3	−0.5	4.8	0.1	−0.6	4.8	0	
REC	0.6	4.8	1.3	−0.5	4.8	0.1	−0.6	4.8	0	
REF. NO.	Q8804			Q8805			Q8806			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0	−4.9	−0.6	−0.4	4.8	0.2	−0.2	4.8	0.5	
REC	0	−4.9	−0.6	−0.5	4.8	0.2	−0.2	4.8	0.5	
REF. NO.	Q8808			Q8809			Q8810			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	−0.5	4.9	0.1	−0.5	4.9	0.1	0.7	−1.7	0	
REC	−0.5	4.9	0.1	−0.5	4.9	0.1	0.7	−1.7	0	
REF. NO.	Q8811			Q8812			Q8813			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0.1	4.9	0.7	0.7	−1.7	0	0.1	4.9	0.7	
REC	0.1	4.9	0.7	0.7	−1.7	0	0.1	4.9	0.7	
REF. NO.	Q8814			Q8815			Q8816			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	−0.6	4.8	0	−0.6	4.8	0	0.6	−4.8	0	
REC	−0.6	4.8	0	−0.6	4.8	0	0.6	−4.8	0	
REF. NO.	Q8817			Q8818			Q8819			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0.3	2.7	0.6	0.6	−4.8	−0.1	0.7	−4.8	0.1	
REC	0.4	2.7	0.6	0.7	−4.9	−0.1	0.7	−4.8	0.1	
REF. NO.	Q8820			Q8821			Q8822			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0.2	2.6	0.6	0.6	−4.8	−0.1	0.5	2.6	0.7	
REC	0.2	2.6	0.6	0.6	−4.8	−0.1	0.5	2.6	0.7	
REF. NO.	Q8823			Q8824			Q8825			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0.7	−4.8	0.3	2.6	11.5	3.2	0.3	11.5	0.9	
REC	0.7	−4.9	0.3	2.6	11.5	3.2	0.3	11.5	0.9	
REF. NO.	Q8826			Q8827			Q8828			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0.7	−4.8	0.1	0.3	11.5	0.9	0	11.6	−0.1	
REC	0.7	−4.8	0.1	0.3	11.5	0.9	0	11.5	−0.1	
REF. NO.	Q8829			Q8830						
MODE	E	C	B	E	C	B	E	C	B	
EJECT	2.5	4.8	3.1	2.7	4.8	3.1				
REC	2.5	4.8	3.1	2.5	4.8	3.1				
REF. NO.	Q8831									
MODE	1	2	3	4	5	6				
EJECT	3.1	−0.5	3.1	−0.5	−1.3	−1.3				
REC	3.1	−0.5	3.1	−0.5	−1.3	−1.3				
REF. NO.	Q8832									
MODE	1	2	3	4	5					
EJECT	0.1	0.1	0	0	0					
REC	0.1	0.1	0	0	0					

TBC (2) CONNECTION SCHEMATIC DIAGRAM 5/6 (E12: Page CBA-10)



TBC_2
P8933
VJP3176B100

		A	NO	B		
GND_A	(4)	D_GND	1	D_GND	(4)	GND_A
D5.5V	(4)	D5.5V	2	D5.5V	(4)	D5.5V
GND_A	(4)	A_GND	3	A_GND	(4)	GND_A
-5V	(4)	-5V	4	-5V	(4)	-5V
A5V	(4)	A5V	5	A5V	(4)	A5V
A12V	(4)	A12V	6	A12V	(4)	A12V
GND_A	(4)	GND	7	GND	(4)	GND_A
GND_A	(4)	GND	8	TBC_BY(X)	(4)	TBC_BY_X
GND_A	(4)	GND	9	TBC_RY(X)	(4)	TBC_RY_X
GND_A	(4)	GND	10	GND	(4)	GND_A
GND_A	(4)	GND	11	TBC_C(X)	(4)	TBC_C_X
GND_A	(4)	GND	12	GND	(4)	GND_A
GND_A	(4)	GND	13	TBC_Y(X)	(4)	TBC_Y_X
CHROMA_DC	(4)	CHROMA_DC	14			
			15	SDET_H	(3)	SDET_H
Y_DA_OUT	(4)	Y_DA_OUT	16	GND	(4)	GND_A
GND_A	(4)	GND	17	GND	(4)	GND_A
RY_DA_OUT	(4)	RY_DA_OUT	18	GND	(4)	GND_A
BY_DA_OUT	(4)	BY_DA_OUT	19	GND	(4)	GND_A
GND_A	(4)	GND	20	GND	(4)	GND_A
RFRM	(3)	RFRM	21	VP	(3)	VP
EQP	(3)	EQP	22	VIP	(3)	VIP
R4FSC	(3)	R4_FSC	23	GND	(3)	GND
NCBK1	(3)	NCBK1	24	FHS	(3)	FHS
SET_UP_DC	(4)	SET_UP_DC	25	HD		
INCM_FRM	(3)	REC_FRM	26	SETUP	(4)	SET_UP
COMPO_M_H	(4)	COMPO_M(H)	27	HUE	(4)	HUE
ADV1	(3)	ADV_1	28	RSYNC		RSYNC
ADV2	(3)	ADV_2	29	SYSTEM_H	(3)	SYSTEM_H
			30	SYS_SC_FINE	(1)	SC_FINE
TBC_FSC	(3)	TBC_FSC	31	SYS_SC_COARSE_1		SC_COARSE1
		REF_IN(L)	32	SYS_SC_COARSE_2		SC_COARSE2
ADV_SYNC	(3)	ADV_SYNC	33	REF_PALP	(3)	REF_PALP
		INCOM_IN(L)	34	TBC_ON(H)	(4)	TBCON_H
GND	(1)	GND	35	REF(X)	(1)	REF_VIDEO_X
A12V	(1)	A12V	36	A12V	(1)	A12V
A5V	(1)	A5V	37	A5V	(1)	A5V
-5V	(1)	-5V	38	-5V	(1)	-5V
A_GND	(1)	A_GND	39	A_GND	(1)	A_GND
D5.5V	(1)	D5.5V	40	D5.5V	(1)	D5.5V
DGND	(1)	D_GND	41	D_GND	(1)	DGND
			42			
			43			
			44			
			45			
			46			
			47			
			48			
			49			
			50			

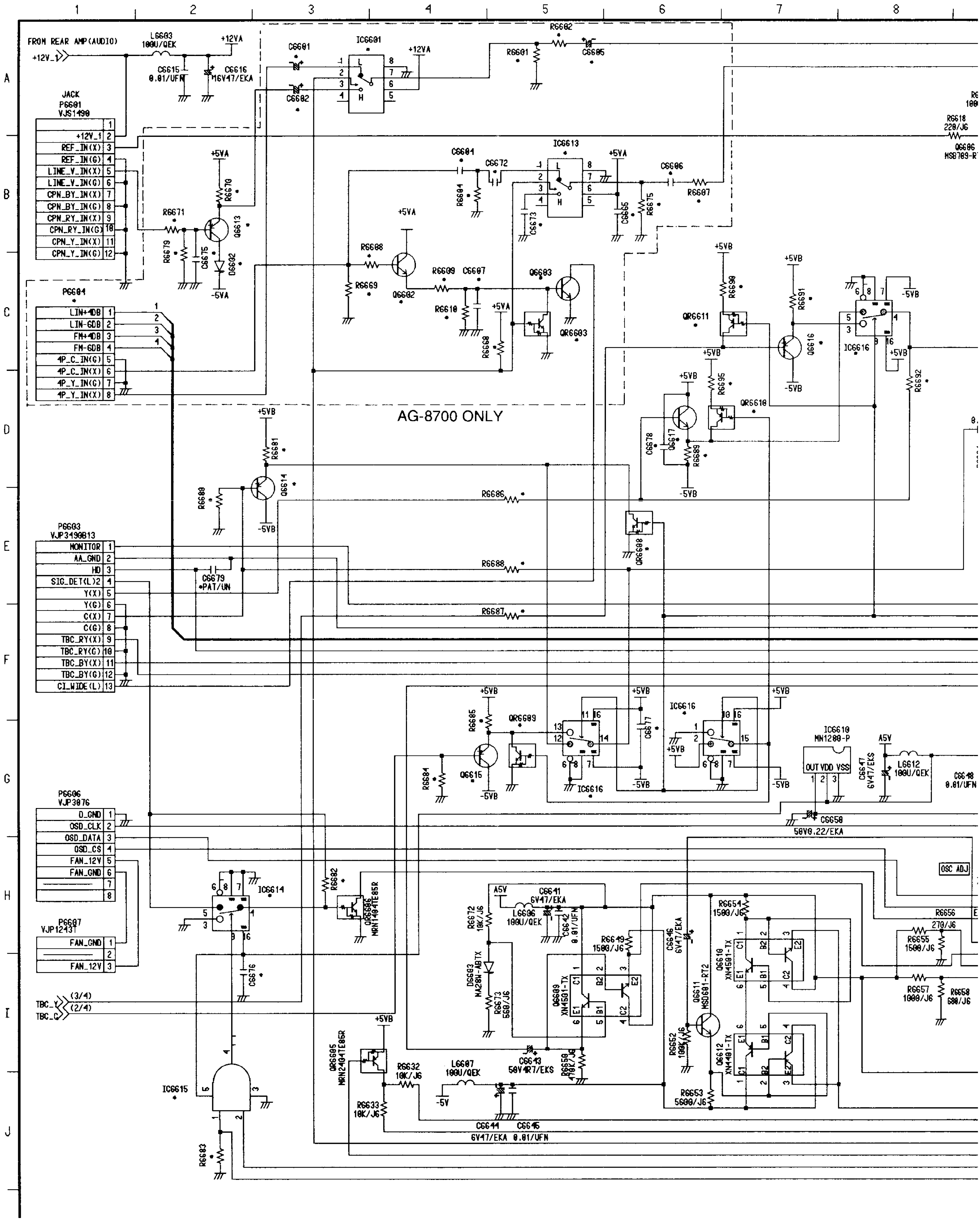
TBC (2) COMPARISON CHART 6/6 (E12: Page CBA-10)

REF	NTSC	PAL
C8626	15P/UN	*PAT/UN
C8627	15P/UN	*PAT/UN
C8646	*PAT/UFN	0. 1/UFN
C8647	*PAT/UFN	0. 1/UFN
C8648	*PAT/EVV	16V47/EVV
C8649	*PAT/UBN	0. 01/UBN
C8650	*PAT/UFN	0. 1/UFN
C8651	*PAT/EVN	35V2R2/EVN
C8652	*PAT/UN	1000P/UN
C8653	*PAT/UFN	0. 1/UFN
C8654	*PAT/EVV	16V47/EVV
C8655	*PAT/UN	220P/UN
C8661	*PAT/UFN	0. 1/UFN
C8726	*PAT/UN	330P/UN
C8812	*PAT/UN	*PAT/UN
C8818	*PAT/UN	*PAT/UN
C8824	18P/UN	33P/UN
C8825	*PAT/UN	*PAT/UN
C8826	100P/UN	120P/UN
C8831	*PAT/UN	*PAT/UN
C8834	*PAT/UN	*PAT/UN
C8838	*PAT/UN	*PAT/UN
C8839	*PAT/UN	*PAT/UN
C8858	*PAT/UN	*PAT/UN
C8865	33P/UN	27P/UN
C8866	270P/UN	220P/UN
C8867	68P/UN	27P/UN
C8868	7P/UN	*PAT/UN
C8869	22P/UN	*PAT/UN
C8870	120P/UN	100P/UN
C8871	10P/UN	47P/UN
C8872	*PAT/UN	10P/UN
C8873	*PAT/UN	33P/UN
C8916	*PAT/UFN	0. 1/UFN
C8917	*PAT/UFN	0. 1/UFN
C8918	*PAT/UFN	0. 1/UFN
C8919	*PAT/UFN	0. 1/UFN
C8925	*PAT/UN	56P/UN
C8940	12P/UN	5P/UN
C8941	12P/UN	5P/UN
C8642	*PAT/UN	*PAT/UN
D8602	*PAT	MA151K-TX
IC8610	*PAT	NJM082BM-T1
L8603	68U/LA	39U/LA
L8613	*PAT/LC	47U/LC
L8702	VLP0145-T	*PAT

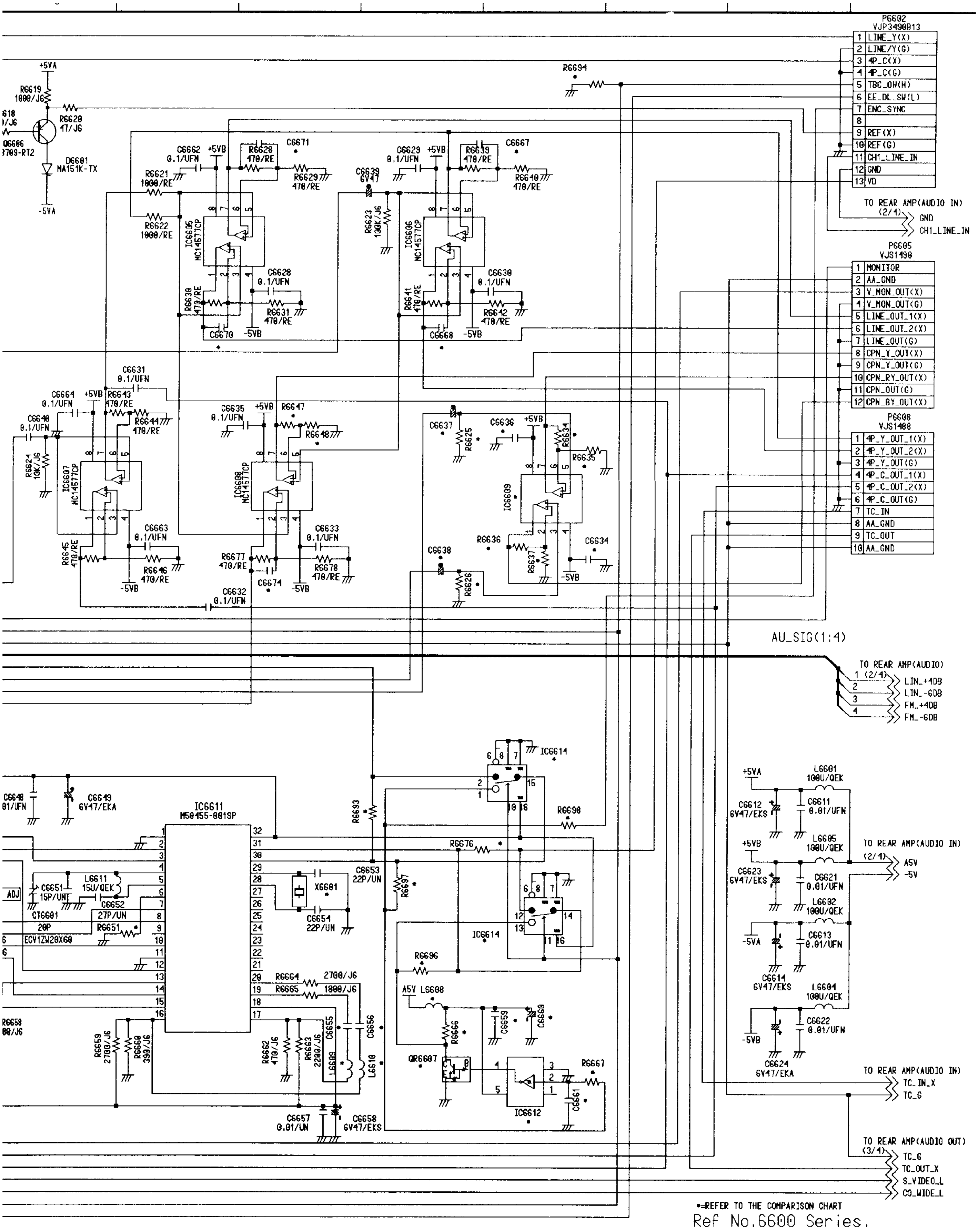
REF	NTSC	PAL
L8805	47U/LA	100U/LA
L8813	27U/LA	15U/LA
L8814	6R8U/LA	5R6U/LA
L8815	5R6U/LA	6R8U/LA
Q8826	*PAT	MSB709-RT2
Q8829	*PAT	MSC2295-BT2
Q8830	*PAT	MSC2295-BT2
Q8831	*PAT	XN6534-TX
QR8833	*PAT	*PAT
R8625	82K/J6	47K/J6
R8626	10K/J6	15K/J6
R8627	*PAT/J6	8200/J6
R8628	15K/J6	15K/J6
R8629	*PAT/J6	10K/J6
R8632	*PAT/J6	470/J6
R8633	*PAT/J6	47K/J6
R8634	*PAT/J6	1000/J6
R8635	47K/J6	*PAT/J6
R8636	*PAT/J6	22K/J6
R8637	*PAT/J6	1M/J6
R8675	0/J6	*PAT/J6
R8676	*PAT/J6	0/J6
R8695	*PAT/J6	0/J6
R8701	*PAT/J6	0/J6
R8702	0/J6	*PAT/J6
R8706	27K/J6	10K/J6
R8708	4700/J6	2200/J6
R8711	*PAT/J6	*PAT/J6
R8712	*PAT/J6	*PAT/J6
R8714	*PAT/J6	*PAT/J6
R8716	*PAT/J6	*PAT/J6
R8735	56/J6	*PAT/J6
R8738	*PAT/J6	*PAT/J6
R8742	*PAT/J6	*PAT/J6
R8823	220/J6	270/J6
R8825	270/J6	560/J6
R8845	*PAT/J6	*PAT/J6
R8849	1200/J6	0/J6
R8852	*PAT/J6	*PAT/J6
R8854	*PAT/J6	*PAT/J6
R8857	0/J6	*PAT/J6
R8858	*PAT/J6	*PAT/J6
R8859	*PAT/J6	0/J6
R8867	2700/RE	0/J6
R8871	2700/RE	0/J6
R8924	180/J6	0/J6

REF	NTSC	PAL
R8927	0/J6	*PAT/J6
R8928	*PAT/J6	10K/J6
R8929	*PAT/J6	390/J6
R8930	*PAT/J6	180/J6
R8931	*PAT/J6	330/J6
R8932	*PAT/J6	180/J6
R8933	*PAT/J6	10K/J6
R8934	*PAT/J6	22K/J6
R8935	*PAT/J6	22K/J6
R8936	*PAT/J6	22K/J6
R8937	*PAT/J6	47/J6
R8938	*PAT/J6	1500/J6
R8939	*PAT/J6	390/J6
R8977	*PAT/J6	5600/J6
R8978	*PAT/J6	5600/J6
R8981	*PAT/J6	*PAT/J6
R8984	0/J6	*PAT/J6
R8985	*PAT/J6	0/J6
R8986	*PAT/J6	0/J6
R8987	0/J6	*PAT/J6
R8988	0/J6	*PAT/J6
R8989	*PAT/J6	0/J6
VC8801	*PAT	20P
VR8604	*PAT	5KB
VR8671	2KB	*PAT
VR8809	*PAT	1KB
VR8812	*PAT	*PAT
VR8813	*PAT	*PAT
X8601	VSX0338	VSX0270
X8602	*PAT	VSX0567
X8671	VSX0081	VSX0363

REAR AMP VIDEO SCHEMATIC DIAGRAM 1/4 (E28: Page CBA-13)



1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
I
J
FROM REAR AMP(AUDIO)
+12V_1
L6603
100U/QEK
+12VA
C6615
0.01/UFN
C6616
16V47/EKA
JACK
P6601
VJS1490
+12V_1
REF_IN(X)
REF_IN(G)
LINE_V_IN(X)
LINE_V_IN(G)
CPN_BY_IN(X)
CPN_BY_IN(G)
CPN_RY_IN(X)
CPN_RY_IN(G)
CPN_Y_IN(X)
CPN_Y_IN(G)
C6601
C6602
IC6601
+12VA
R6602
R6601
C6605
+5VA
R6670
R6671
Q6613
R6679
C6675
D6602
-5VA
IC6613
C6604
C6672
R6604
C6673
+5VA
C6665
R6675
C6606
R6607
+5VA
R6608
R6669
Q6602
R6609
C6607
R6610
R6668
Q6603
QR6603
P6604
LIN+4DB
LIN-6DB
FM+4DB
FM-6DB
4P_C_IN(G)
4P_C_IN(X)
4P_Y_IN(G)
4P_Y_IN(X)
AG-8700 ONLY
+5VB
R6690
QR6611
+5VB
R6691
Q6616
-5VB
IC6616
-5VB
+5VB
R6692
+5VB
R6695
QR6610
Q6617
C6678
R6689
-5VB
R6618
220/J6
Q6606
HSB709-R
+5VB
R6681
Q6614
R6680
-5VB
R6686
QR6608
P6603
VJP3190B13
MONITOR
AA_GND
HD
SIG_DET(L)2
Y(X)
Y(G)
C(X)
C(G)
TBC_RY(X)
TBC_RY(G)
TBC_BY(X)
TBC_BY(G)
CI_WIDE(L)
C6679
*PAT/UN
R6688
R6687
+5VB
R6685
QR6609
Q6615
R6684
-5VB
+5VB
C6677
IC6616
IC6616
+5VB
-5VB
+5VB
-5VB
IC6610
MN1280-P
OUT VDD VSS
A5V
C6647
6V47/EKS
L6612
100U/QEK
C6648
0.01/UFN
C6650
50V0.22/EKA
P6606
VJP3076
D_GND
OSD_CLK
OSD_DATA
OSD_CS
FAN_12V
FAN_GND
IC6614
R6682
QR6606
MRN1404TE85R
C6676
P6607
VJP1243T
FAN_GND
FAN_12V
TBC_Y
TBC_C
(3/4)
(2/4)
A5V
C6641
6V47/EKA
L6606
100U/QEK
C6642
0.01/UFN
R6672
10K/J6
D6603
MA28W-ABTX
R6673
560/J6
R6649
1500/J6
Q6609
XN4501-TX
C6646
6V47/EKA
R6654
1500/J6
Q6610
XN4501-TX
Q6611
MSD601-RT2
R6652
100K/J6
Q6612
XN4401-TX
R6653
5600/J6
OSC ADJ
R6656
R6655
1500/J6
270/J6
R6657
1000/J6
R6658
680/J6
+5VB
QR6605
MRN2404TE85R
R6632
10K/J6
R6633
10K/J6
L6607
100U/QEK
-5V
C6643
50V4R7/EKS
R6650
470K/J6
C6644
C6645
6V47/EKA 0.01/UFN
IC6615
R6683


P6602
VJP3490B13
1 LINE_Y(X)
2 LINE/Y(G)
3 4P_C(X)
4 4P_C(G)
5 TBC_ON(H)
6 EE_DL_SW(L)
7 ENC_SYNC
8
9 REF(X)
10 REF(G)
11 CH1_LINE_IN
12 GND
13 VD
TO REAR AMP(AUDIO IN)
(2/4)
GND
CH1_LINE_IN
P6605
VJS1490
1 MONITOR
2 AA_GND
3 V_MON_OUT(X)
4 V_MON_OUT(G)
5 LINE_OUT_1(X)
6 LINE_OUT_2(X)
7 LINE_OUT(G)
8 CPN_Y_OUT(X)
9 CPN_Y_OUT(G)
10 CPN_RY_OUT(X)
11 CPN_OUT(G)
12 CPN_BY_OUT(X)
P6608
VJS1480
1 4P_Y_OUT_1(X)
2 4P_Y_OUT_2(X)
3 4P_Y_OUT(G)
4 4P_C_OUT_1(X)
5 4P_C_OUT_2(X)
6 4P_C_OUT(G)
7 TC_IN
8 AA_GND
9 TC_OUT
10 AA_GND
R6694
+5VA
R6619 1000/J6
R6620 47/J6
Q6606
D6601 MA151K-TX
-5VA
R6621 1000/RE
R6622 1000/RE
C6662 0.1/UFN
+5VB
R6628 470/RE
C6671
R6629 470/RE
IC6605 MC14577CP
C6628 0.1/UFN
R6630 470/RE
R6631 470/RE
C6670
-5VB
C6639 6V47
R6623 100K/J6
C6629 0.1/UFN
R6639 470/RE
C6667
R6640 470/RE
IC6606 MC14577CP
C6630 0.1/UFN
R6641 470/RE
R6642 470/RE
C6668
C6631 0.1/UFN
C6664 0.1/UFN
R6643 470/RE
R6644 470/RE
C6640 0.1/UFN
R6624 10K/J6
IC6607 MC14577CP
C6663 0.1/UFN
R6645 470/RE
R6646 470/RE
C6635 0.1/UFN
R6647
R6648
IC6608 MC14577CP
C6633 0.1/UFN
R6677 470/RE
R6678 470/RE
C6674
C6632 0.1/UFN
C6637
R6625
C6636
R6634
R6635
IC6609
R6636
R6637
C6634
C6638
R6626
AU_SIG(1:4)
TO REAR AMP(AUDIO)
(2/4)
LIN_+4DB
LIN_-6DB
FM_+4DB
FM_-6DB
IC6614
R6693
R6698
R6676
R6697
R6696
C6648 0.01/UFN
C6649 6V47/EKA
IC6611 M50455-001SP
C6651 15P/UN
L6611 15U/QEK
C6652 27P/UN
CT6601 20P
R6651
ECV1ZW20X60
ADJ
C6653 22P/UN
X6601
C6654 22P/UN
R6664 2700/J6
R6665 1000/J6
C6655
C6656
R6662 470/J6
R6663 2200/J6
L6609
L6610
R6658 00/J6
R6659 2700/J6
R6660 390/J6
C6657 0.01/UN
C6658 6V47/EKS
A5V L6608
R6666
C6659
C6660
QR6607
IC6612
R6667
C6661
+5VA
L6601 100U/QEK
C6612 6V47/EKS
C6611 0.01/UFN
+5VB
L6605 100U/QEK
C6623 6V47/EKS
C6621 0.01/UFN
L6602 100U/QEK
-5VA
C6613 0.01/UFN
C6614 6V47/EKS
L6604 100U/QEK
-5VB
C6622 0.01/UFN
C6624 6V47/EKA
TO REAR AMP(AUDIO IN)
(2/4)
A5V
-5V
TO REAR AMP(AUDIO IN)
TC_IN_X
TC_G
TO REAR AMP(AUDIO OUT)
(3/4)
TC_G
TC_OUT_X
S_VIDEO_L
CO_WIDE_L

*=REFER TO THE COMPARISON CHART

Ref No.6600 Series.

REAR AMP VIDEO DC VOLTAGE CHART

REF. NO.	IC6601									
MODE	1	2	3	4	5	6	7	8		
EJECT	7.2	3.2	7.1	0	0	11.5	6.4	0		
REC	7.2	3.2	7.1	0	0	11.5	6.4	0		

REF. NO.	IC6605									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−4.7	0	0	0	4.3		
REC	0	0	0	−4.7	0	0	0	4.3		

REF. NO.	IC6606									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−4.7	0	0	0	4.3		
REC	0	0	0	−4.7	0	0	0	4.3		

REF. NO.	IC6607									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−4.7	0	0	0	4.3		
REC	0	0	0	−4.7	0	0	0	4.3		

REF. NO.	IC6608									
MODE	1	2	3	4	5	6	7	8		
EJECT	0.1	0	0	−4.3	0	0	0	4.3		
REC	0.1	0	0	−4.3	0	0	0	4.3		

REF. NO.	IC6609									
MODE	1	2	3	4	5	6	7	8		
EJECT	0.1	0.1	0.1	−4.3	0.1	0.1	0.1	4.3		
REC	0	0	0	−4.3	0	0	0	4.3		

REF. NO.	IC6610									
MODE	1	2	3							
EJECT	0	4.9	4.9							
REC	0	4.9	4.9							

REF. NO.	IC6611									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	5.0	4.9	2.2	2.1	0	5.1	0.1	0.5	4.8
REC	0	5.0	4.9	2.2	2.1	0	4.7	0.1	0.5	4.8

REF. NO.	IC6611									
MODE	11	12	13	14	15	16	17	18	19	20
EJECT	0	1.1	1.1	0.7	2.0	0.6	0.8	4.8	0.1	0.1
REC	0	1.1	1.1	0.7	2.0	0.6	0.9	4.8	0.1	0.1

REF. NO.	IC6611									
MODE	21	22	23	24	25	26	27	28	29	30
EJECT	0	0.1	0	0	0	0	4.7	2.3	2.3	3.9
REC	0	0.1	0	0	0	0	4.7	2.3	2.3	4.5

REF. NO.	IC6611									
MODE	31	32								
EJECT	5.1	4.9								
REC	4.9	4.9								

REF. NO.	IC6612									
MODE	1	2	3	4	5					
EJECT	0	0.1	0	0	5.0					
REC	0	4.5	0	0	4.9					

REF. NO.	IC6613									
MODE	1	2	3	4	5	6	7	8		
EJECT	3.0	3.2	2.9	0	0	4.9	2.2	0		
REC	3.0	3.2	2.9	0	0	0	2.2	0		

REF. NO.	IC6614									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	4.5	3.9	0	0.2	0.2	0	0	0	0	5.1
REC	4.5	3.9	0	0.2	0.2	0	0	0	0	5.1

REF. NO.	IC6614									
MODE	11	12	13	14	15	16				
EJECT	5.1	4.8	4.9	4.9	4.5	4.9				
REC	5.1	4.8	4.9	4.9	4.5	4.9				

REF. NO.	IC6615									
MODE	1	2	3	4	5					
EJECT	0	0.7	0	0	4.9					
REC	0.1	5.1	0	0	4.9					

REF. NO.	IC6616									
MODE	1	2	3	4	5	6	7	8	9	10
EJECT	0	4.3	0.3	0.3	2.6	0	−4.3	0	5.1	5.1
REC	0	4.3	0.3	0.3	2.6	0	−4.3	0	5.1	5.1

REF. NO.	IC6616									
MODE	11	12	13	14	15	16				
EJECT	5.1	0.1	0.7	0.7	0	4.3				
REC	5.1	0.1	0.7	0.7	0	4.3				

REF. NO.	Q6602			Q6603			Q6606			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0	4.9	0	0	5.1	0	0.7	−4.3	0	
REC	0	4.9	0	0	5.1	0	0.7	−4.3	0	

REF. NO.	Q6609									
MODE	1	2	3	4	5	6				
EJECT	4.8	1.7	1.1	4.8	1.3	1.7				
REC	4.8	1.7	1.1	4.8	1.3	1.7				

REF. NO.	Q6610						Q6611			
MODE	1	2	3	4	5	6	E	C	B	
EJECT	0.5	0.5	−0.2	4.8	0.5	−0.2	−0.8	4.8	−0.2	
REC	0.4	0.4	−0.2	4.8	0.4	−0.2	−0.8	4.8	−0.2	

REF. NO.	Q6612						Q6613			
MODE	1	2	3	4	5	6	E	C	B	
EJECT	−4.9	−0.8	−0.2	−4.9	−0.8	−0.2	0.8	−4.2	0.2	
REC	−4.9	−0.8	−0.2	−4.9	−0.8	−0.2	0.8	−4.2	0.2	

REF. NO.	Q6614			Q6615			Q6616			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0.7	−4.3	0.1	0.1	−4.3	0	0.7	−4.3	0	
REC	0.1	−4.3	0	0.7	−4.3	0.1	0.3	−4.3	−0.4	

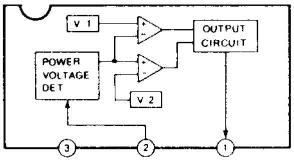
REF. NO.	Q6617									
MODE	E	C	B							
EJECT	0.5	4.3	1.1							
REC	2.6	4.3	1.1							

REF. NO.	QR6603			QR6605			QR6606			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0	0	3.2	4.3	0	4.3	0	4.8	0.2	
REC	0	0	3.2	4.3	0	4.8	0	4.8	0.2	

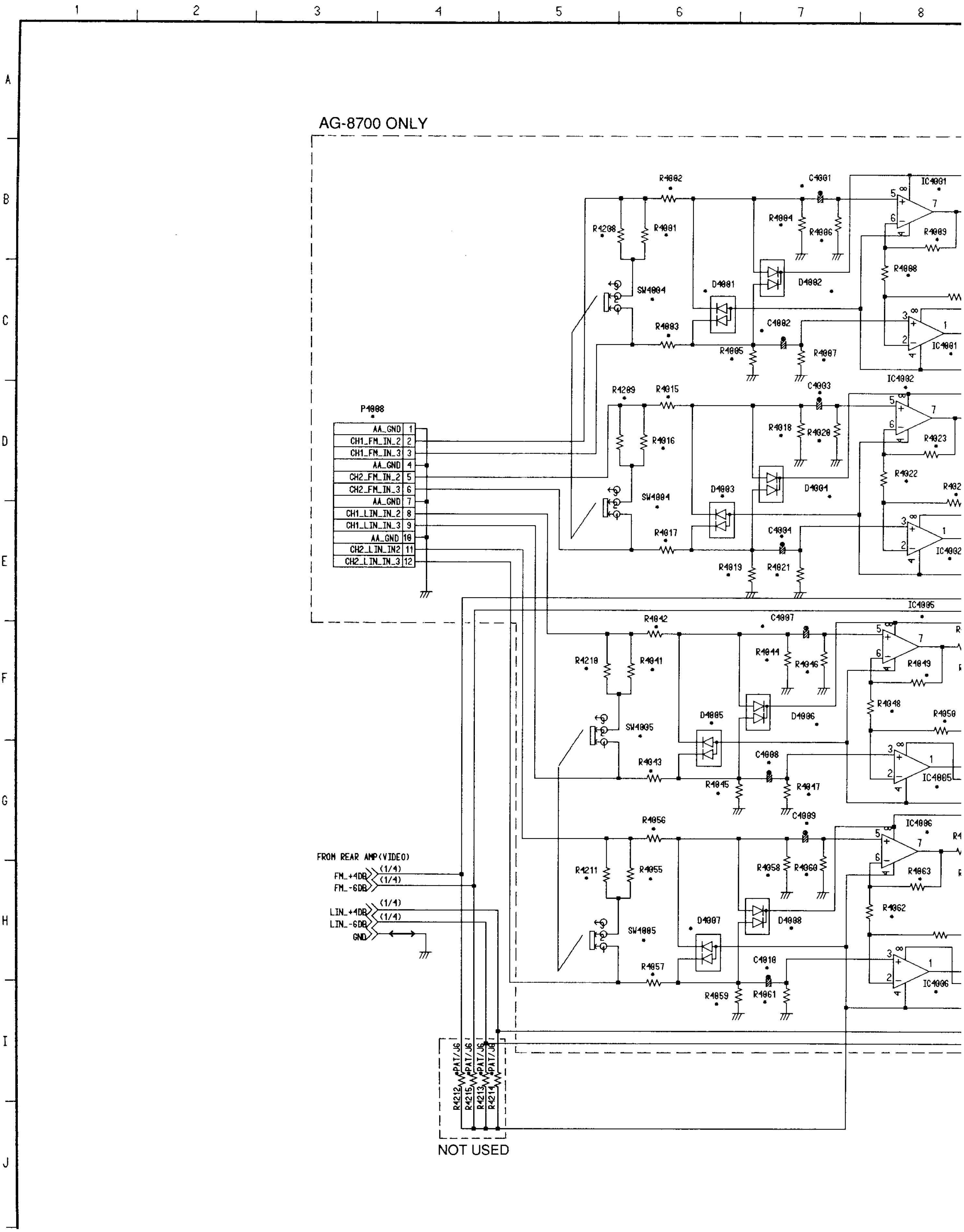
REF. NO.	QR6607			QR6608			QR6609			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0	5.0	0	0	0.1	5.1	0	0.1	4.3	
REC	0	4.9	0	0	0.1	5.1	0	0.7	0	

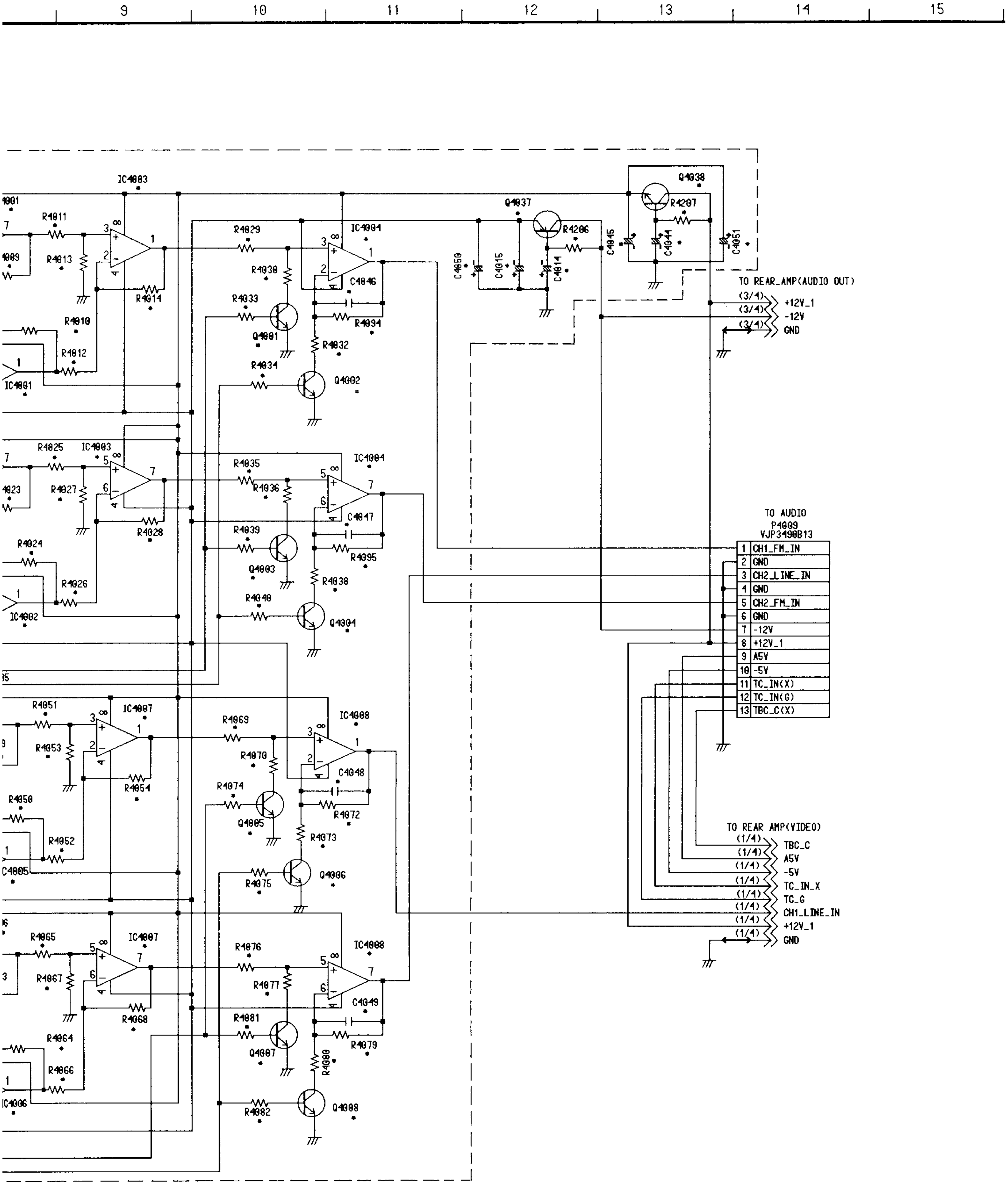
REF. NO.	QR6610			QR6611						
MODE	E	C	B	E	C	B				
EJECT	4.3	0.4	4.3	0	0.7	0.7				
REC	2.8	2.6	0	4.3	−0.4	5.1				

IC6610
MN1280-P



REAR AMP AUDIO IN SCHEMATIC DIAGRAM 2/4 (E28: Page CBA-13)


1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
I
J
AG-8700 ONLY
R4002
C4001
IC4001
R4208
R4001
R4004
R4006
R4009
D4001
D4002
SW4004
R4008
R4003
C4002
R4005
R4007
IC4001
R4209
R4015
C4003
IC4002
R4018
R4020
R4023
R4016
R4022
D4003
D4004
SW4004
R4017
C4004
R4019
R4021
IC4002
P4008
AA_GND 1
CH1_FM_IN_2 2
CH1_FM_IN_3 3
AA_GND 4
CH2_FM_IN_2 5
CH2_FM_IN_3 6
AA_GND 7
CH1_LIN_IN_2 8
CH1_LIN_IN_3 9
AA_GND 10
CH2_LIN_IN2 11
CH2_LIN_IN_3 12
IC4005
R4042
C4007
R4210
R4041
R4044
R4046
R4049
R4048
D4005
D4006
SW4005
R4050
C4008
R4043
R4045
R4047
IC4005
R4056
C4009
IC4006
R4211
R4055
R4058
R4060
R4063
R4062
D4007
D4008
SW4005
C4010
R4057
R4059
R4061
IC4006
FROM REAR AMP(VIDEO)
FM_+4DB (1/4)
FM_-6DB (1/4)
LIN_+4DB (1/4)
LIN_-6DB (1/4)
GND
R4212 PAT/J6
R4215 PAT/J6
R4213 PAT/J6
R4214 PAT/J6
NOT USED


9
10
11
12
13
14
15
IC4003
IC4004
IC4007
IC4008
IC4001
IC4002
IC4005
IC4006
Q4001
Q4002
Q4003
Q4004
Q4005
Q4006
Q4007
Q4008
Q4037
Q4038
R4011
R4013
R4014
R4010
R4012
R4029
R4030
R4033
R4034
R4032
R4094
C4046
R4025
R4027
R4028
R4024
R4026
R4035
R4036
R4039
R4095
R4038
R4040
C4047
R4051
R4053
R4054
R4050
R4052
R4069
R4070
R4074
R4072
R4073
R4075
C4048
R4065
R4067
R4068
R4064
R4066
R4076
R4077
R4081
R4079
R4080
R4082
C4049
C4050
C4015
C4014
R4206
R4207
C4045
C4044
C4051
TO REAR_AMP(AUDIO OUT)
(3/4) +12V_1
(3/4) -12V
(3/4) GND
TO AUDIO
P4009
VJP3490B13
1 CH1_FM_IN
2 GND
3 CH2_LINE_IN
4 GND
5 CH2_FM_IN
6 GND
7 -12V
8 +12V_1
9 A5V
10 -5V
11 TC_IN(X)
12 TC_IN(G)
13 TBC_C(X)
TO REAR AMP(VIDEO)
(1/4) TBC_C
(1/4) A5V
(1/4) -5V
(1/4) TC_IN_X
(1/4) TC_G
(1/4) CH1_LINE_IN
(1/4) +12V_1
(1/4) GND

*=REFER TO THE COMPARISON CHART

Ref No.4000 Series.

REAR AMP AUDIO IN DC VOLTAGE CHART

REF. NO.	IC4014									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.9		

REF. NO.	IC4015									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.9		

REF. NO.	IC4016									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.9		

REF. NO.	IC4017									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.9		

REF. NO.	Q4010			Q4011			Q4015			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	10.9	11.6	11.6	−11.5	−12.2	−12.1	0	0	0	
REC	10.8	11.6	11.6	−11.5	−12.2	−12.1	0	0	0	

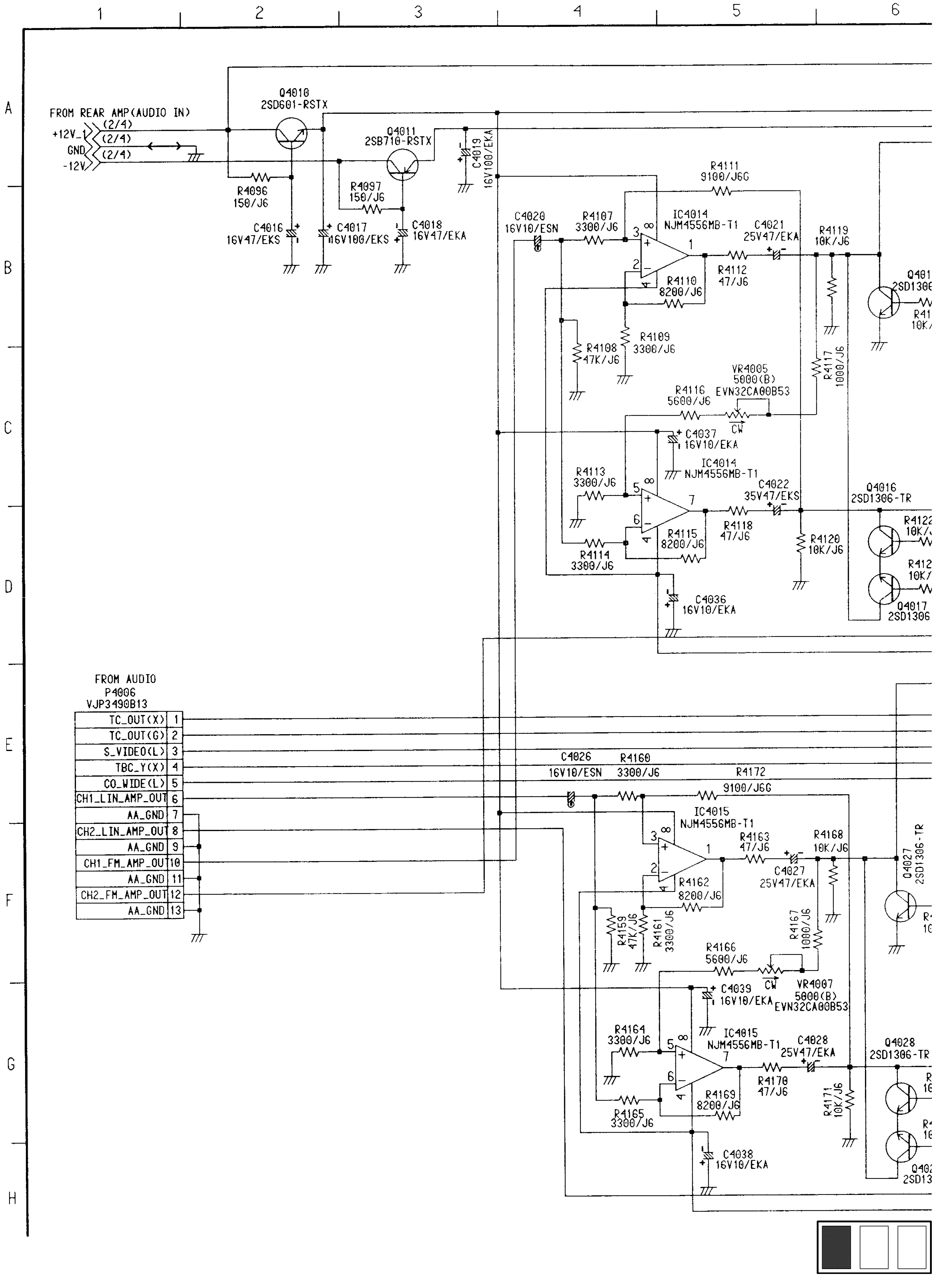
REF. NO.	Q4016			Q4017			Q4021			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0	0	0	0	0	0	0	0	0	
REC	0	0	0	0	0	0	0	0	0	

REF. NO.	Q4022			Q4023			Q4027			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0	0	0	0	0	0	0	0	0	
REC	0	0	0	0	0	0	0	0	0	

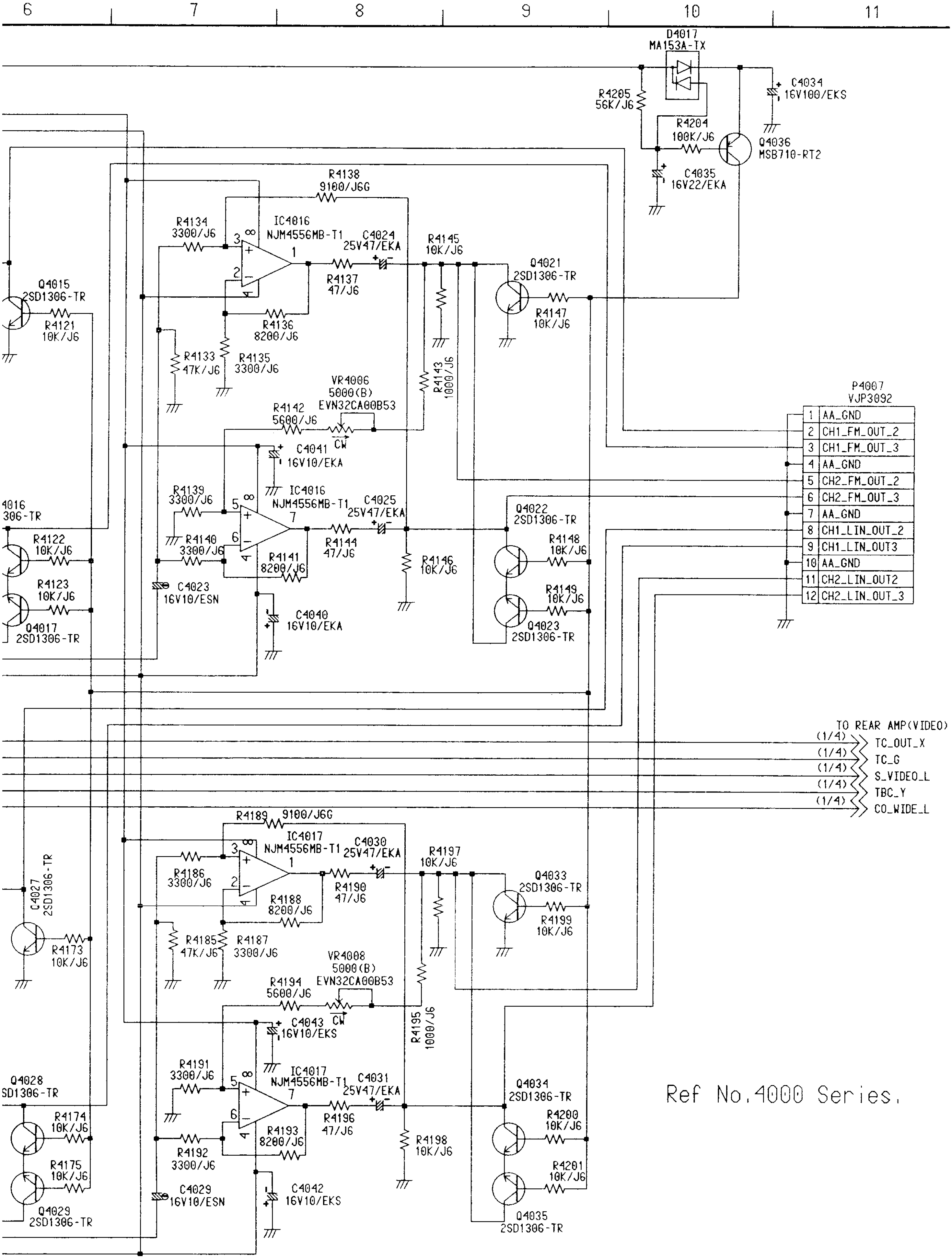
REF. NO.	Q4028			Q4029			Q4033			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0	0	0	0	0	0	0	0	0	
REC	0	0	0	0	0	0	0	0	0	

REF. NO.	Q4034			Q4035			Q4036			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0	0	0	0	0	0	11.2	0	11.4	
REC	0	0	0	0	0	0	11.2	0	11.4	

REAR AMP AUDIO OUT SCHEMATIC DIAGRAM 3/4 (E28: Page CBA-13)



1
2
3
4
5
6
A
B
C
D
E
F
G
H
FROM REAR AMP(AUDIO IN)
+12V
GND
-12V
(2/4)
(2/4)
(2/4)
Q4010
2SD601-RSTX
Q4011
2SB710-RSTX
C4019
16V100/EKA
R4096
150/J6
R4097
150/J6
C4016
16V47/EKS
C4017
16V100/EKS
C4018
16V47/EKA
R4111
9100/J6G
C4020
16V10/ESN
R4107
3300/J6
IC4014
NJM4556MB-T1
C4021
25V47/EKA
R4119
10K/J6
R4112
47/J6
R4110
8200/J6
R4109
3300/J6
R4108
47K/J6
VR4005
5000(B)
EVN32CA00B53
R4116
5600/J6
CW
R4117
1000/J6
C4037
16V10/EKA
IC4014
NJM4556MB-T1
R4113
3300/J6
C4022
35V47/EKS
Q4016
2SD1306-TR
R4122
10K/
R412
10K/
R4118
47/J6
R4115
8200/J6
R4120
10K/J6
R4114
3300/J6
C4036
16V10/EKA
Q4017
2SD1306
Q401
2SD1306
R41
10K/
FROM AUDIO
P4006
VJP3490B13
TC_OUT(X) 1
TC_OUT(G) 2
S_VIDEO(L) 3
TBC_Y(X) 4
CO_WIDE(L) 5
CH1_LIN_AMP_OUT 6
AA_GND 7
CH2_LIN_AMP_OUT 8
AA_GND 9
CH1_FM_AMP_OUT 10
AA_GND 11
CH2_FM_AMP_OUT 12
AA_GND 13
C4026
16V10/ESN
R4160
3300/J6
R4172
9100/J6G
IC4015
NJM4556MB-T1
R4163
47/J6
R4168
10K/J6
C4027
25V47/EKA
Q4027
2SD1306-TR
R4162
8200/J6
R4159
47K/J6
R4161
3300/J6
R4167
1000/J6
R4166
5600/J6
CW
VR4007
5000(B)
EVN32CA00B53
C4039
16V10/EKA
R4164
3300/J6
IC4015
NJM4556MB-T1
C4028
25V47/EKA
Q4028
2SD1306-TR
R4170
47/J6
R4171
10K/J6
R4169
8200/J6
R4165
3300/J6
C4038
16V10/EKA
Q402
2SD13


6
7
8
9
10
11
D4017
MA153A-TX
R4205
56K/J6
C4034
16V100/EKS
R4204
100K/J6
Q4036
MSB710-RT2
C4035
16V22/EKA
R4138
9100/J6G
R4134
3300/J6
IC4016
NJM4556MB-T1
C4024
25V47/EKA
R4145
10K/J6
Q4021
2SD1306-TR
R4137
47/J6
R4147
10K/J6
Q4015
2SD1306-TR
R4121
10K/J6
R4136
8200/J6
R4133
47K/J6
R4135
3300/J6
R4143
1000/J6
VR4006
5000(B)
EVN32CA00B53
R4142
5600/J6
CW
C4041
16V10/EKA
P4007
VJP3092
1 AA_GND
2 CH1_FM_OUT_2
3 CH1_FM_OUT_3
4 AA_GND
5 CH2_FM_OUT_2
6 CH2_FM_OUT_3
7 AA_GND
8 CH1_LIN_OUT_2
9 CH1_LIN_OUT3
10 AA_GND
11 CH2_LIN_OUT2
12 CH2_LIN_OUT_3
R4139
3300/J6
IC4016
NJM4556MB-T1
C4025
25V47/EKA
Q4022
2SD1306-TR
4016
306-TR
R4122
10K/J6
R4140
3300/J6
R4141
8200/J6
R4144
47/J6
R4146
10K/J6
R4148
10K/J6
R4123
10K/J6
C4023
16V10/ESN
R4149
10K/J6
C4040
16V10/EKA
Q4017
2SD1306-TR
Q4023
2SD1306-TR
TO REAR AMP(VIDEO)
(1/4) TC_OUT_X
(1/4) TC_G
(1/4) S_VIDEO_L
(1/4) TBC_Y
(1/4) CO_WIDE_L
R4189
9100/J6G
IC4017
NJM4556MB-T1
C4030
25V47/EKA
R4197
10K/J6
Q4033
2SD1306-TR
Q4027
2SD1306-TR
R4186
3300/J6
R4190
47/J6
R4188
8200/J6
R4199
10K/J6
R4173
10K/J6
R4185
47K/J6
R4187
3300/J6
VR4008
5000(B)
EVN32CA00B53
R4194
5600/J6
CW
C4043
16V10/EKS
R4195
1000/J6
R4191
3300/J6
IC4017
NJM4556MB-T1
C4031
25V47/EKA
Q4034
2SD1306-TR
Q4028
SD1306-TR
R4174
10K/J6
R4196
47/J6
R4193
8200/J6
R4198
10K/J6
R4200
10K/J6
R4192
3300/J6
R4175
10K/J6
R4201
10K/J6
C4029
16V10/ESN
C4042
16V10/EKS
Q4029
2SD1306-TR
Q4035
2SD1306-TR

Ref No.4000 Series.

REAR AMP AUDIO OUT DC VOLTAGE CHART

REF. NO.	IC4001									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.4	0	0	0	10.9		
REF. NO.	IC4002									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.4	0	0	0	10.9		
REF. NO.	IC4003									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.4	0	0	0	10.9		
REF. NO.	IC4004									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.4	0	0	0	10.9		
REF. NO.	IC4005									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.4	0	0	0	10.9		
REF. NO.	IC4006									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.4	0	0	0	10.9		
REF. NO.	IC4007									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.9		
REF. NO.	IC4008									
MODE	1	2	3	4	5	6	7	8		
EJECT	0	0	0	−11.4	0	0	0	10.9		
REC	0	0	0	−11.5	0	0	0	10.9		
REF. NO.	Q4001			Q4002			Q4003			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0	0	−0.1	0	0	−0.1	0	0	0	
REC	0	0	−0.1	0	0	−0.1	0	0	0	
REF. NO.	Q4004			Q4005			Q4006			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0	0	−0.1	0	0	−0.1	0	0	−0.1	
REC	0	0	−0.1	0	0	−0.1	0	0	−0.1	
REF. NO.	Q4007			Q4008			Q4037			
MODE	E	C	B	E	C	B	E	C	B	
EJECT	0	0	−0.1	0	0	−0.1	−11.5	−12.2	−12.1	
REC	0	0	−0.1	0	0	−0.1	−11.5	−12.2	−12.1	
REF. NO.	Q4038									
MODE	E	C	B							
EJECT	10.9	11.6	11.6							
REC	10.9	11.6	11.5							

REAR AMP COMPARISON CHART 4/4 (E28: Page CBA-13)

REF	AG-8700	AG-8600
C4001	16V10/EVN	*PAT/EVN
C4002	16V10/EVN	*PAT/EVN
C4003	16V10/EVN	*PAT/EVN
C4004	16V10/EVN	*PAT/EVN
C4007	16V10/EVN	*PAT/EVN
C4008	16V10/EVN	*PAT/EVN
C4009	16V10/EVN	*PAT/EVN
C4010	16V10/EVN	*PAT/EVN
C4014	16V47/EVV	*PAT/EVV
C4015	16V47/EVV	*PAT/EVV
C4044	16V47/EVV	*PAT/EVV
C4045	16V47/EVV	*PAT/EVV
C4046	33P/UN	*PAT/UN
C4047	33P/UN	*PAT/UN
C4048	33P/UN	*PAT/UN
C4049	33P/UN	*PAT/UN
C4050	16V47/EVV	*PAT/EVV
C4051	16V47/EVV	*PAT/EVV
C6601	10V47/EKA	*PAT/EKA
C6602	10V47/EKA	*PAT/EKA
C6604	0. 1/UFN	*PAT/UFN
C6605	10V100/EKA	*PAT/EKA
C6606	0. 1/UFN	*PAT/UFN
C6607	0. 1/UFN	*PAT/UFN
C6634	0. 1/UFN	0. 1/UFN
C6636	0. 1/UFN	0. 1/UFN
C6637	6V47	6V47
C6638	6V47	6V47
C6655	39P/UN	39P/UN
C6656	39P/UN	39P/UN
C6659	0. 01/UFN	0. 01/UFN
C6660	6V47/EKA	6V47/EKA
C6661	1000P/UBN	1000P/UBN
C6665	0. 01/UFN	*PAT/UFN
C6667	27P/UN	27P/UN
C6668	27P/UN	27P/UN
C6670	27P/UN	27P/UN
C6671	27P/UN	27P/UN
C6672	0. 1/UFN	*PAT/UFN
C6673	0. 1/UFN	*PAT/UFN
C6674	27P/UN	27P/UN

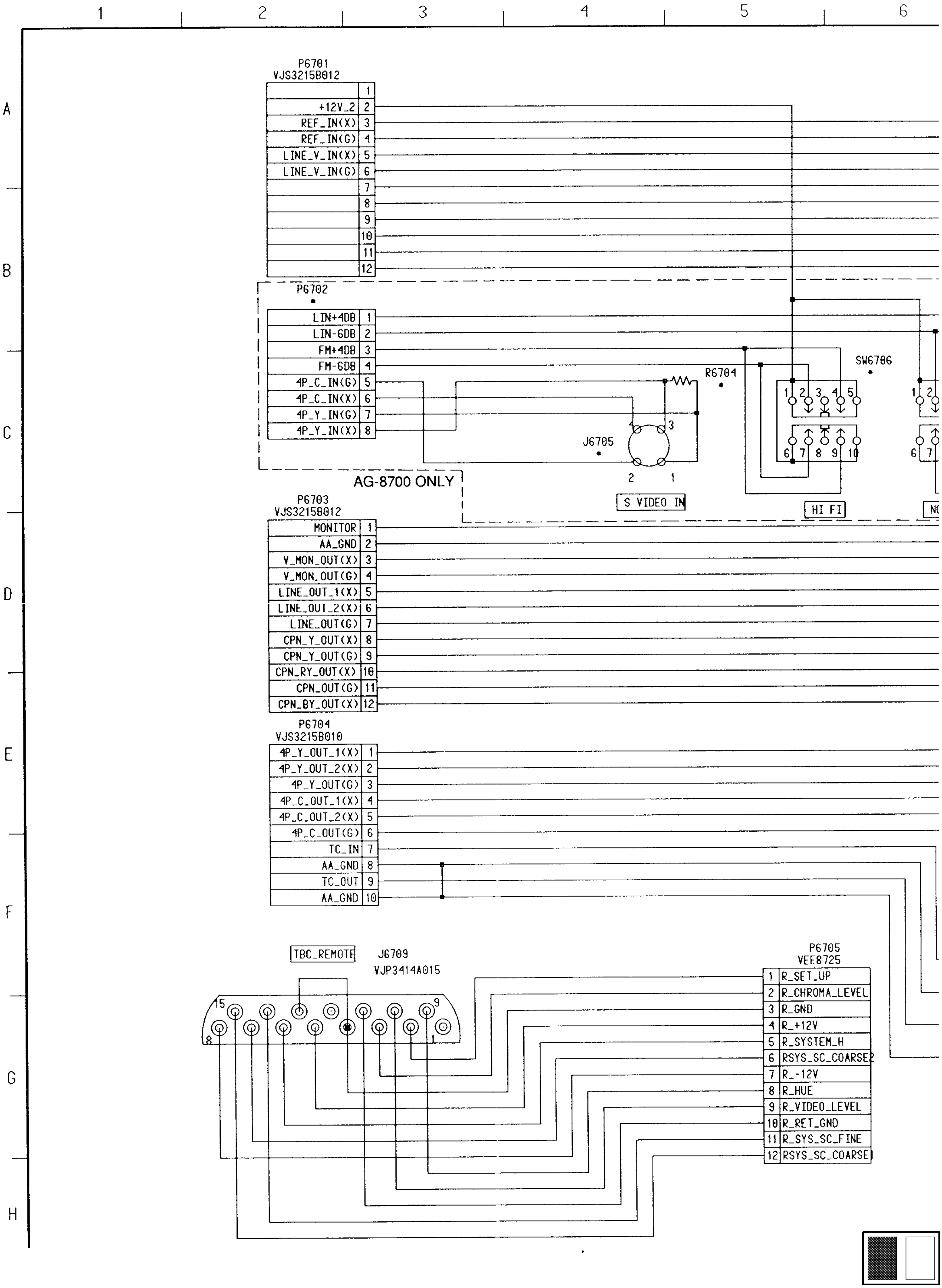
REF	AG-8700	AG-8600
C6675	15P/UN	*PAT/UN
C6676	0. 1/UFN	0. 1/UFN
C6677	0. 1/UFN	0. 1/UFN
C6678	0. 1/UFN	0. 1/UFN
C6679	*PAT/UN	*PAT/UN
D4001	MA151WA-TX	*PAT
D4002	MA151WK-TX	*PAT
D4003	MA151WA-TX	*PAT
D4004	MA151WK-TX	*PAT
D4005	MA151WA-TX	*PAT
D4006	MA151WK-TX	*PAT
D4007	MA151WA-TX	*PAT
D4008	MA151WK-TX	*PAT
D6602	MA151K-TX	*PAT
IC4001	NJM4556MB-T1	*PAT
IC4002	NJM4556MB-T1	*PAT
IC4003	NJM4556MB-T1	*PAT
IC4004	AN6558S	*PAT
IC4005	NJM4556MB-T1	*PAT
IC4006	NJM4556MB-T1	*PAT
IC4007	NJM4556MB-T1	*PAT
IC4008	AN6558S	*PAT
IC6601	NJM2233BMAT1	*PAT
IC6609	MC14577CP	MC14577CP
IC6612	TC4S584FT85R	TC4S584FT85R
IC6613	NJM2233BMAT1	*PAT
IC6614	MC74HC4053FR	MC74HC4053FR
IC6615	TC7S08FTE85R	TC7S08FTE85R
IC6616	MC74HC4053FR	MC74HC4053FR
L6608	33U/QEK	33U/QEK
L6609	47U/QEK	47U/QEK
L6610	47U/QEK	47U/QEK
P4008	VJP3092	*PAT
P6604	VJS1468	*PAT
Q4001	MSD601-RT2	*PAT
Q4002	MSD601-RT2	*PAT
Q4003	MSD601-RT2	*PAT
Q4004	MSD601-RT2	*PAT
Q4005	MSD601-RT2	*PAT
Q4006	MSD601-RT2	*PAT
Q4007	MSD601-RT2	*PAT
Q4008	MSD601-RT2	*PAT

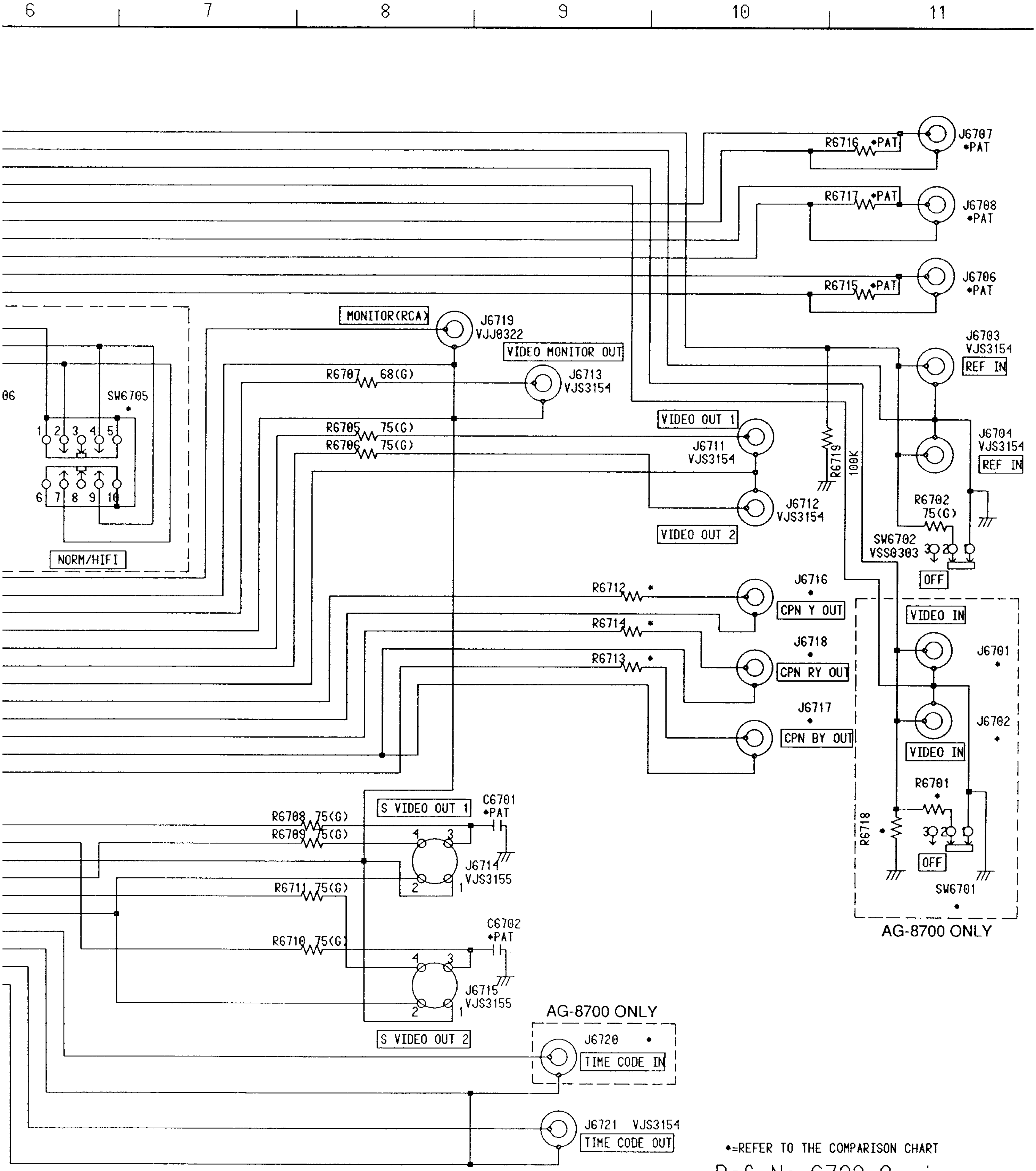
REF	AG-8700	AG-8600
Q4037	2SB710-RSTX	*PAT
Q4038	2SD602-RSTX	*PAT
Q6602	MSD601-RT2	*PAT
Q6603	MSD601-RT2	*PAT
Q6613	MSB709-RT2	*PAT
Q6614	MSB709-RT2	MSB709-RT2
Q6615	MSB709-RT2	MSB709-RT2
Q6616	MSB709-RT2	MSB709-RT2
Q6617	MSD601-RT2	MSD601-RT2
QR6603	MRN1404TE85R	*PAT
QR6607	MRN1404TE85R	MRN1404TE85R
QR6608	MRN1404TE85R	MRN1404TE85R
QR6609	MRN1404TE85R	MRN1404TE85R
QR6610	MRN2404TE85R	MRN2404TE85R
QR6611	MRN2404TE85R	MRN2404TE85R
R4001	680/J6	*PAT/J6
R4002	47K/J6	*PAT/J6
R4003	47K/J6	*PAT/J6
R4004	8200/J6	*PAT/J6
R4005	8200/J6	*PAT/J6
R4006	100K/J6	*PAT/J6
R4007	100K/J6	*PAT/J6
R4008	3300/RE	*PAT/J6
R4009	4700/RE	*PAT/J6
R4010	4700/RE	*PAT/J6
R4011	4700/RE	*PAT/J6
R4012	4700/RE	*PAT/J6
R4013	4700/RE	*PAT/J6
R4014	4700/RE	*PAT/J6
R4015	47K/J6	*PAT/J6
R4016	680/J6	*PAT/J6
R4017	47K/J6	*PAT/J6
R4018	8200/J6	*PAT/J6
R4019	8200/J6	*PAT/J6
R4020	100K/J6	*PAT/J6
R4021	100K/J6	*PAT/J6
R4022	3300/RE	*PAT/J6
R4023	4700/RE	*PAT/J6
R4024	4700/RE	*PAT/J6
R4025	4700/RE	*PAT/J6
R4026	4700/RE	*PAT/J6

REF	AG-8700	AG-8600
R4070	18K/J6	*PAT/J6
R4072	10K/J6	*PAT/J6
R4073	10K/J6	*PAT/J6
R4074	10K/J6	*PAT/J6
R4075	10K/J6	*PAT/J6
R4076	10K/J6	*PAT/J6
R4077	18K/J6	*PAT/J6
R4079	10K/J6	*PAT/J6
R4080	10K/J6	*PAT/J6
R4081	10K/J6	*PAT/J6
R4082	10K/J6	*PAT/J6
R4094	10K/J6	*PAT/J6
R4095	10K/J6	*PAT/J6
R4206	150/J6	*PAT/J6
R4207	150/J6	*PAT/J6
R4208	5600/J6	*PAT/J6
R4209	5600/J6	*PAT/J6
R4210	5600/J6	*PAT/J6
R4211	5600/J6	*PAT/J6
R4212	*PAT/J6	*PAT/J6
R4213	*PAT/J6	*PAT/J6
R4214	*PAT/J6	*PAT/J6
R4215	*PAT/J6	*PAT/J6
R6601	3300/J6	*PAT/J6
R6602	47/J6	*PAT/J6
R6604	75/G6	*PAT/J6
R6607	47/J6	*PAT/J6
R6608	1000/J6	*PAT/J6
R6609	4700/J6	*PAT/J6
R6610	2700/J6	*PAT/J6
R6625	10K/J6	10K/J6
R6626	10K/J6	10K/J6
R6634	470/RE	470/RE
R6635	470/RE	470/RE
R6636	470/RE	470/RE
R6637	470/RE	470/RE
R6647	470/RE	470/RE
R6648	470/RE	470/RE
R6651	0/J6	0/J6
R6666	3300/J6	3300/J6
R6667	22K/J6	22K/J6

REF	AG-8700	AG-8600
R6668	10K/J6	*PAT/J6
R6669	120K/J6	*PAT/J6
R6670	1000/J6	*PAT/J6
R6671	220/J6	*PAT/J6
R6675	3300/J6	*PAT/J6
R6676	*PAT/J6	*PAT/J6
R6679	10K/J6	*PAT/J6
R6680	10K/J6	10K/J6
R6681	1500/J6	1500/J6
R6682	*PAT/J6	*PAT/J6
R6683	100K/J6	100K/J6
R6684	10K/J6	10K/J6
R6685	1500/J6	1500/J6
R6686	33/J6	33/J6
R6687	33/J6	33/J6
R6688	*PAT/J6	*PAT/J6
R6689	1500/J6	1500/J6
R6690	1000/J6	1000/J6
R6691	1500/J6	1500/J6
R6692	*PAT/J6	*PAT/J6
R6693	*PAT/J6	*PAT/J6
R6694	100K/J6	100K/J6
R6695	330/J6	330/J6
R6696	*PAT/J6	*PAT/J6
R6697	*PAT/J6	*PAT/J6
R6698	0/J6	0/J6
SW4004	VSS0208	*PAT
SW4005	VSS0208	*PAT
X6601	VSX0316	VSX0316

REAR JACK SCHEMATIC DIAGRAM 1/2 (E29: Page CBA-14)


1
2
3
4
5
6
A
B
C
D
E
F
G
H
P6701
VJS3215B012
+12V_2
REF_IN(X)
REF_IN(G)
LINE_V_IN(X)
LINE_V_IN(G)
1
2
3
4
5
6
7
8
9
10
11
12
P6702
LIN+4DB
LIN-6DB
FM+4DB
FM-6DB
4P_C_IN(G)
4P_C_IN(X)
4P_Y_IN(G)
4P_Y_IN(X)
R6704
SW6706
J6705
S VIDEO IN
HI FI
NO
AG-8700 ONLY
P6703
VJS3215B012
MONITOR
AA_GND
V_MON_OUT(X)
V_MON_OUT(G)
LINE_OUT_1(X)
LINE_OUT_2(X)
LINE_OUT(G)
CPN_Y_OUT(X)
CPN_Y_OUT(G)
CPN_RY_OUT(X)
CPN_OUT(G)
CPN_BY_OUT(X)
P6704
VJS3215B010
4P_Y_OUT_1(X)
4P_Y_OUT_2(X)
4P_Y_OUT(G)
4P_C_OUT_1(X)
4P_C_OUT_2(X)
4P_C_OUT(G)
TC_IN
AA_GND
TC_OUT
AA_GND
TBC_REMOTE
J6709
VJP3414A015
15
9
8
1
P6705
VEE8725
R_SET_UP
R_CHROMA_LEVEL
R_GND
R_+12V
R_SYSTEM_H
RSYS_SC_COARSE2
R_-12V
R_HUE
R_VIDEO_LEVEL
R_RET_GND
R_SYS_SC_FINE
RSYS_SC_COARSE1


6
7
8
9
10
11
R6716 *PAT
J6707 *PAT
R6717 *PAT
J6708 *PAT
R6715 *PAT
J6706 *PAT
MONITOR(RCA)
J6719 VJJ0322
VIDEO MONITOR OUT
J6703 VJS3154
REF IN
R6707 68(G)
J6713 VJS3154
06
SW6705 *
1 2 3 4 5
6 7 8 9 10
NORM/HIFI
VIDEO OUT 1
R6705 75(G)
R6706 75(G)
J6711 VJS3154
R6719 100K
J6704 VJS3154
REF IN
J6712 VJS3154
VIDEO OUT 2
R6702 75(G)
SW6702 VSS0303
3 2 1
OFF
R6712 *
J6716 *
CPN Y OUT
R6714 *
J6718 *
CPN RY OUT
R6713 *
J6717 *
CPN BY OUT
VIDEO IN
J6701 *
J6702 *
VIDEO IN
R6701 *
R6718 *
3 2 1
OFF
SW6701 *
AG-8700 ONLY
S VIDEO OUT 1
C6701 *PAT
R6708 75(G)
R6709 75(G)
4 3
J6714 VJS3155
2 1
R6711 75(G)
C6702 *PAT
R6710 75(G)
4 3
J6715 VJS3155
2 1
S VIDEO OUT 2
AG-8700 ONLY
J6720 *
TIME CODE IN
J6721 VJS3154
TIME CODE OUT

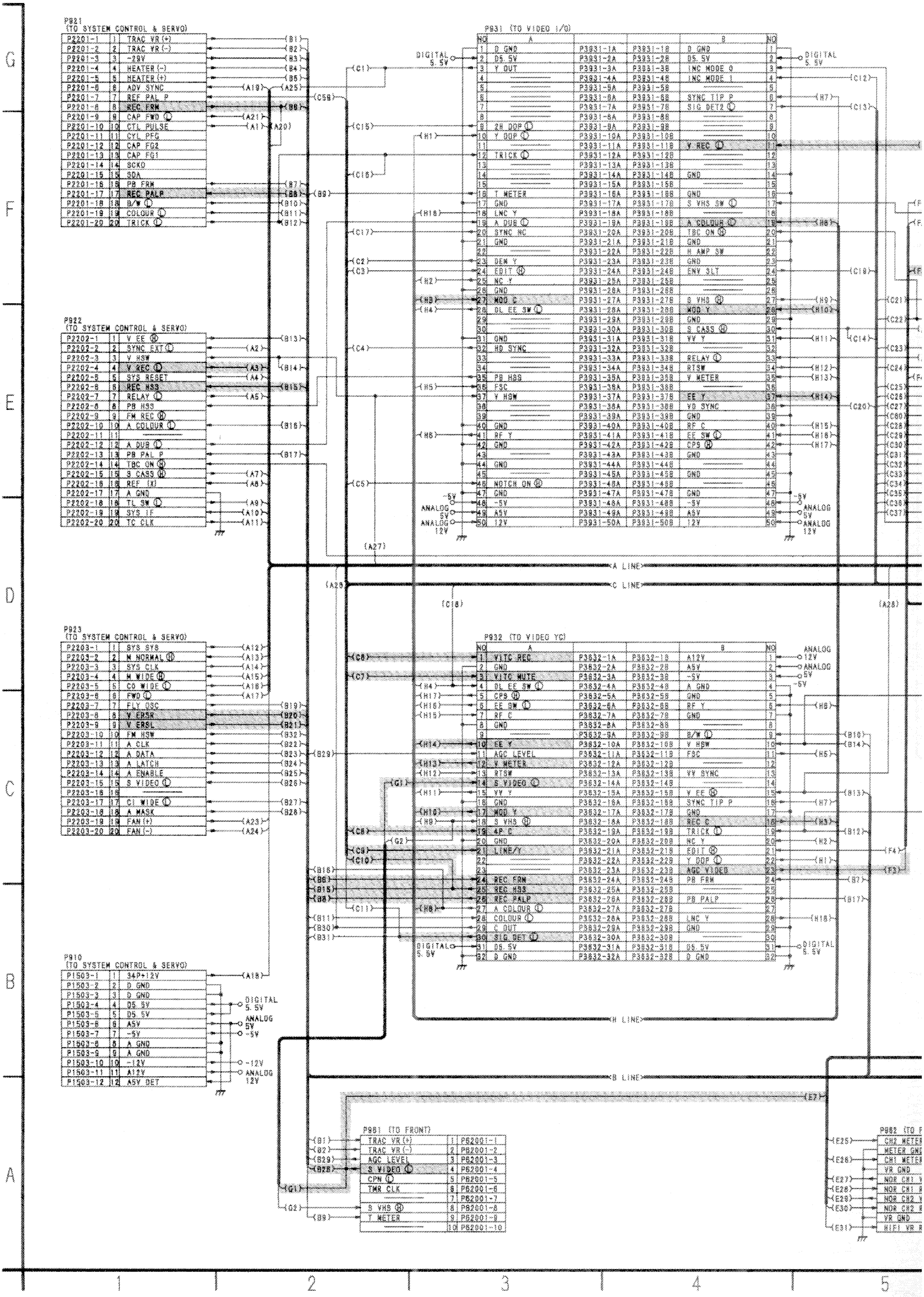
*=REFER TO THE COMPARISON CHART

Ref No.6700 Series.

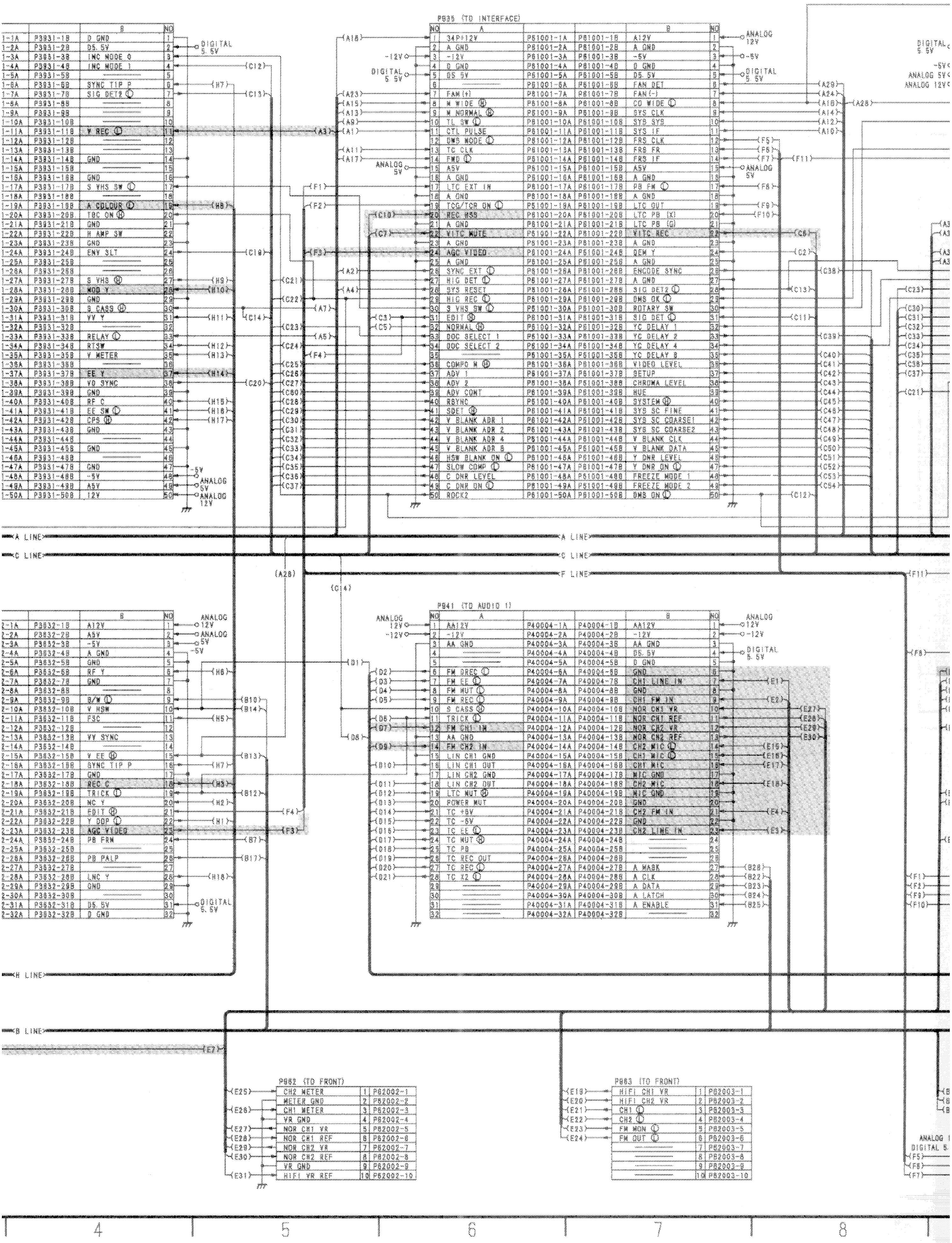
REAR JACK COMPARISON CHART 2/2
(E29: Page CBA-14)

REF	AG-8700	AG-8600
C6701	*PAT	*PAT
C6702	*PAT	*PAT
J6701	VJS3154	*PAT
J6702	VJS3154	*PAT
J6705	VJS3155	*PAT
J6706	*PAT	*PAT
J6707	*PAT	*PAT
J6708	*PAT	*PAT
J6716	VJS3154	VJS3154
J6717	VJS3154	VJS3154
J6718	VJS3154	VJS3154
J6720	VJS3154	*PAT
P6702	VJS3215B008	*PAT
R6701	75(G)	*PAT
R6704	75(G)	*PAT
R6712	75(G)	75(G)
R6713	75(G)	75(G)
R6714	75(G)	75(G)
R6715	*PAT	*PAT
R6716	*PAT	*PAT
R6717	*PAT	*PAT
R6718	100K/DS	*PAT
SW6701	VSS0303	*PAT
SW6705	VSS0390	*PAT
SW6706	VSS0390	*PAT

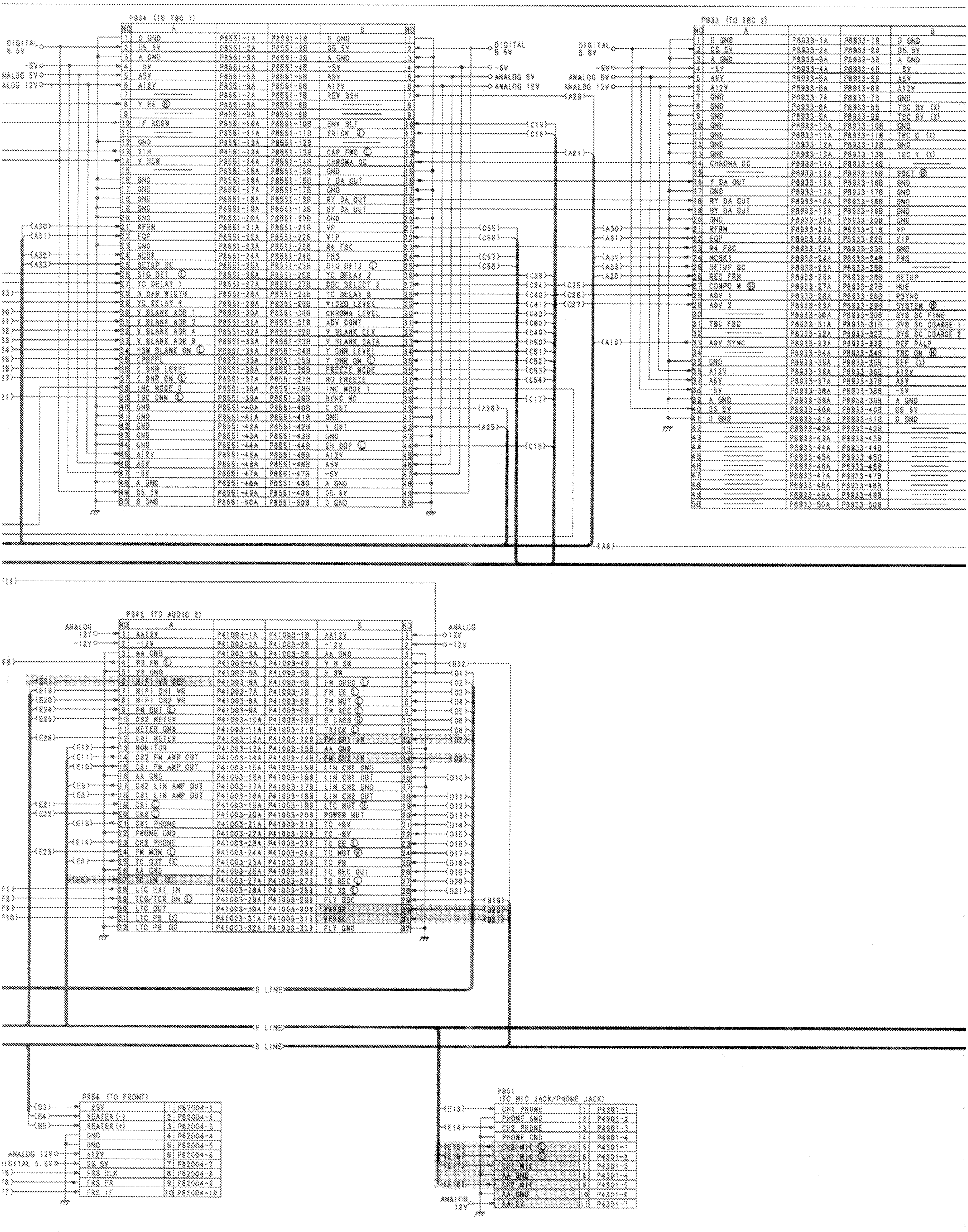
MOTHER SCHEMATIC DIAGRAM (E4: Page CBA-4)


P921 (TO SYSTEM CONTROL & SERVO)
P2201-1 1 TRAC VR (+)
P2201-2 2 TRAC VR (-)
P2201-3 3 -29V
P2201-4 4 HEATER (-)
P2201-5 5 HEATER (+)
P2201-6 6 ADV SYNC
P2201-7 7 REF PAL P
P2201-8 8 REC FRM
P2201-9 9 CAP FWD Ⓛ
P2201-10 10 CTL PULSE
P2201-11 11 CYL PFG
P2201-12 12 CAP FG2
P2201-13 13 CAP FG1
P2201-14 14 SCKO
P2201-15 15 SDA
P2201-16 16 PB FRM
P2201-17 17 REC PALP
P2201-18 18 B/W Ⓛ
P2201-19 19 COLOUR Ⓛ
P2201-20 20 TRICK Ⓛ
P922 (TO SYSTEM CONTROL & SERVO)
P2202-1 1 V EE Ⓗ
P2202-2 2 SYNC EXT Ⓛ
P2202-3 3 V HSW
P2202-4 4 V REC Ⓛ
P2202-5 5 SYS RESET
P2202-6 6 REC HSS
P2202-7 7 RELAY Ⓛ
P2202-8 8 PB HSS
P2202-9 9 FM REC Ⓗ
P2202-10 10 A COLOUR Ⓛ
P2202-11 11
P2202-12 12 A DUB Ⓛ
P2202-13 13 PB PAL P
P2202-14 14 TBC ON Ⓗ
P2202-15 15 S CASS Ⓗ
P2202-16 16 REF (X)
P2202-17 17 A GND
P2202-18 18 TL SW Ⓛ
P2202-19 19 SYS IF
P2202-20 20 TC CLK
P923 (TO SYSTEM CONTROL & SERVO)
P2203-1 1 SYS SYS
P2203-2 2 M NORMAL Ⓗ
P2203-3 3 SYS CLK
P2203-4 4 M WIDE Ⓗ
P2203-5 5 CO WIDE Ⓛ
P2203-6 6 FWD Ⓛ
P2203-7 7 FLY DSC
P2203-8 8 V ERSR
P2203-9 9 V ERSL
P2203-10 10 FM HSW
P2203-11 11 A CLK
P2203-12 12 A DATA
P2203-13 13 A LATCH
P2203-14 14 A ENABLE
P2203-15 15 S VIDEO Ⓛ
P2203-16 16
P2203-17 17 CI WIDE Ⓛ
P2203-18 18 A MASK
P2203-19 19 FAN (+)
P2203-20 20 FAN (-)
P910 (TO SYSTEM CONTROL & SERVO)
P1503-1 1 34P+12V
P1503-2 2 D GND
P1503-3 3 D GND
P1503-4 4 D5 5V
P1503-5 5 D5 5V
P1503-6 6 A5V
P1503-7 7 -5V
P1503-8 8 A GND
P1503-9 9 A GND
P1503-10 10 -12V
P1503-11 11 A12V
P1503-12 12 A5V DET
DIGITAL 5.5V
ANALOG 5V
-5V
-12V
ANALOG 12V
P931 (TO VIDEO I/O)
NO A B NO
1 D GND P3931-1A P3931-1B D GND 1
2 D5. 5V P3931-2A P3931-2B D5. 5V 2
3 Y OUT P3931-3A P3931-3B INC MODE 0 3
4 P3931-4A P3931-4B INC MODE 1 4
5 P3931-5A P3931-5B 5
6 P3931-6A P3931-6B SYNC TIP P 6
7 P3931-7A P3931-7B SIG DET2 Ⓛ 7
8 P3931-8A P3931-8B 8
9 2H DOP Ⓛ P3931-9A P3931-9B 9
10 Y DOP Ⓛ P3931-10A P3931-10B 10
11 P3931-11A P3931-11B V REC Ⓛ 11
12 TRICK Ⓛ P3931-12A P3931-12B 12
13 P3931-13A P3931-13B 13
14 P3931-14A P3931-14B GND 14
15 P3931-15A P3931-15B 15
16 T METER P3931-16A P3931-16B GND 16
17 GND P3931-17A P3931-17B S VHS SW Ⓛ 17
18 LNC Y P3931-18A P3931-18B 18
19 A DUB Ⓛ P3931-19A P3931-19B A COLOUR Ⓛ 19
20 SYNC NC P3931-20A P3931-20B TBC ON Ⓗ 20
21 GND P3931-21A P3931-21B GND 21
22 P3931-22A P3931-22B H AMP SW 22
23 DEM Y P3931-23A P3931-23B GND 23
24 EDIT Ⓗ P3931-24A P3931-24B ENV SLT 24
25 NC Y P3931-25A P3931-25B 25
26 GND P3931-26A P3931-26B 26
27 MOD C P3931-27A P3931-27B S VHS Ⓗ 27
28 DL EE SW Ⓛ P3931-28A P3931-28B MOD Y 28
29 P3931-29A P3931-29B GND 29
30 P3931-30A P3931-30B S CASS Ⓗ 30
31 GND P3931-31A P3931-31B VV Y 31
32 HD SYNC P3931-32A P3931-32B 32
33 P3931-33A P3931-33B RELAY Ⓛ 33
34 P3931-34A P3931-34B RTSW 34
35 PB HSS P3931-35A P3931-35B V METER 35
36 FSC P3931-36A P3931-36B 36
37 V HSW P3931-37A P3931-37B EE Y 37
38 P3931-38A P3931-38B VD SYNC 38
39 P3931-39A P3931-39B GND 39
40 GND P3931-40A P3931-40B RF C 40
41 RF Y P3931-41A P3931-41B EE SW Ⓛ 41
42 GND P3931-42A P3931-42B CPS Ⓗ 42
43 P3931-43A P3931-43B GND 43
44 GND P3931-44A P3931-44B 44
45 P3931-45A P3931-45B GND 45
46 NOTCH ON Ⓗ P3931-46A P3931-46B 46
47 GND P3931-47A P3931-47B GND 47
48 -5V P3931-48A P3931-48B -5V 48
49 A5V P3931-49A P3931-49B A5V 49
50 12V P3931-50A P3931-50B 12V 50
DIGITAL 5.5V
-5V
ANALOG 5V
ANALOG 12V
A LINE
C LINE
P932 (TO VIDEO YC)
NO A B NO
1 VITC REC P3632-1A P3632-1B A12V 1
2 GND P3632-2A P3632-2B A5V 2
3 VITC MUTE P3632-3A P3632-3B -5V 3
4 DL EE SW Ⓛ P3632-4A P3632-4B A GND 4
5 CPS Ⓗ P3632-5A P3632-5B GND 5
6 EE SW Ⓛ P3632-6A P3632-6B RF Y 6
7 RF C P3632-7A P3632-7B GND 7
8 GND P3632-8A P3632-8B 8
9 P3632-9A P3632-9B B/W Ⓛ 9
10 EE Y P3632-10A P3632-10B V HSW 10
11 AGC LEVEL P3632-11A P3632-11B FSC 11
12 V METER P3632-12A P3632-12B 12
13 RTSW P3632-13A P3632-13B VV SYNC 13
14 S VIDEO Ⓛ P3632-14A P3632-14B 14
15 VV Y P3632-15A P3632-15B V EE Ⓗ 15
16 GND P3632-16A P3632-16B SYNC TIP P 16
17 MOD Y P3632-17A P3632-17B GND 17
18 S VHS Ⓗ P3632-18A P3632-18B REC C 18
19 4P C P3632-19A P3632-19B TRICK Ⓛ 19
20 GND P3632-20A P3632-20B NC Y 20
21 LINE/Y P3632-21A P3632-21B EDIT Ⓗ 21
22 P3632-22A P3632-22B Y DOP Ⓛ 22
23 P3632-23A P3632-23B AGC VIDEO 23
24 REC FRM P3632-24A P3632-24B PB FRM 24
25 REC HSS P3632-25A P3632-25B 25
26 REC PALP P3632-26A P3632-26B PB PALP 26
27 A COLOUR Ⓛ P3632-27A P3632-27B 27
28 COLOUR Ⓛ P3632-28A P3632-28B LNC Y 28
29 C OUT P3632-29A P3632-29B GND 29
30 SIG DET Ⓛ P3632-30A P3632-30B 30
31 D5. 5V P3632-31A P3632-31B D5. 5V 31
32 D GND P3632-32A P3632-32B D GND 32
ANALOG 12V
ANALOG 5V
-5V
DIGITAL 5.5V
H LINE
B LINE
P981 (TO FRONT)
TRAC VR (+) 1 P62001-1
TRAC VR (-) 2 P62001-2
AGC LEVEL 3 P62001-3
S VIDEO Ⓛ 4 P62001-4
CPN Ⓛ 5 P62001-5
TMR CLK 6 P62001-6
7 P62001-7
S VHS Ⓗ 8 P62001-8
T METER 9 P62001-9
10 P62001-10
P982 (TO F
CH2 METER
METER GND
CH1 METER
VR GND
NOR CH1
NOR CH1
NOR CH2
NOR CH2
VR GND
HIFI VR
A LINE
C LINE
(A27)
(A28)
(C18)
(E7)
G
F
E
D
C
B
A
1
2
3
4
5

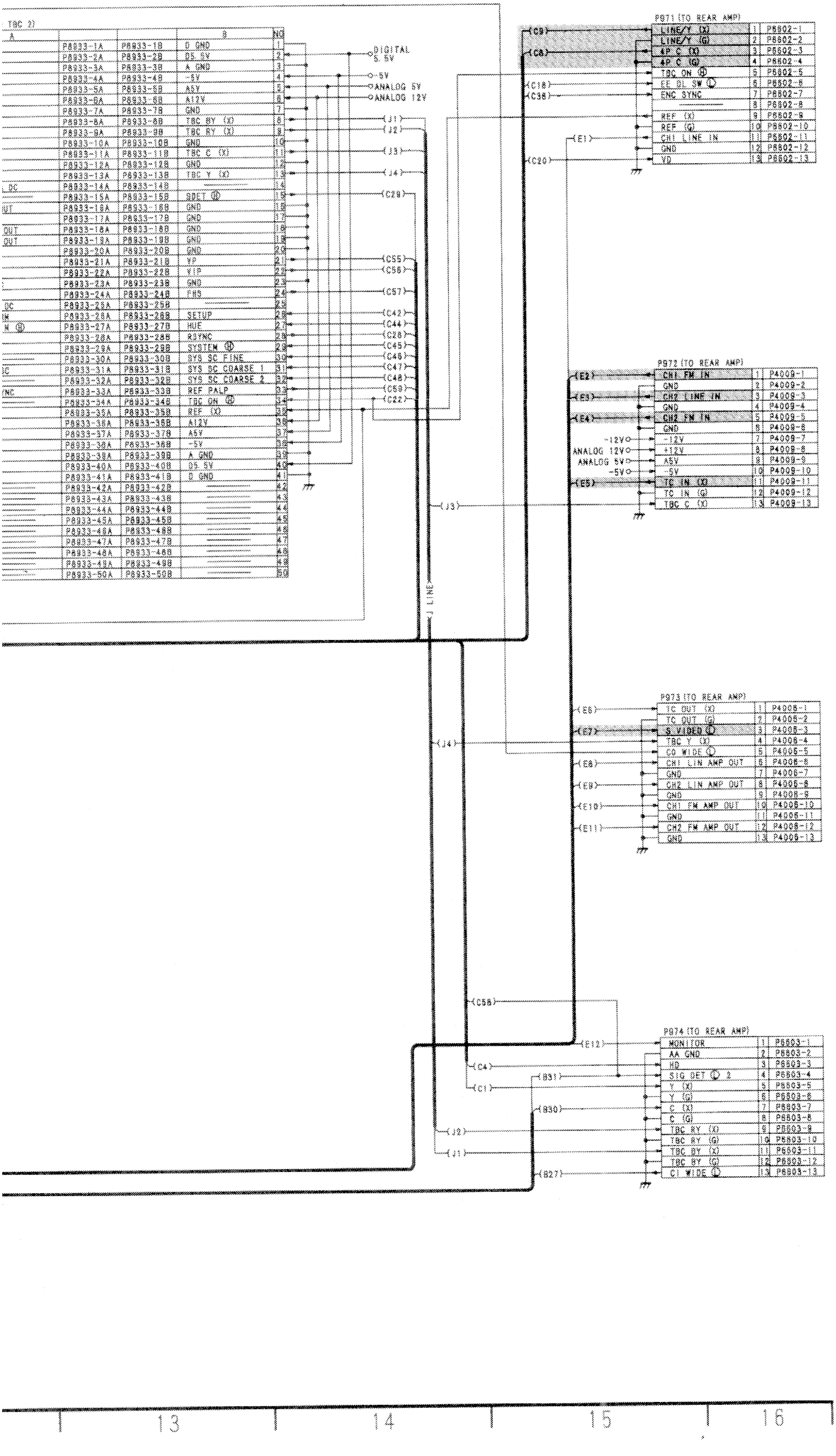
AG-8700 only have components and/or wires identified by shade


P835 (TO INTERFACE)
P841 (TO AUDIO 1)
P862 (TO FRONT)
P863 (TO FRONT)
A LINE
C LINE
F LINE
H LINE
B LINE
DIGITAL 5.5V
ANALOG 12V
ANALOG 5V
-5V
-12V
4
5
6
7
8

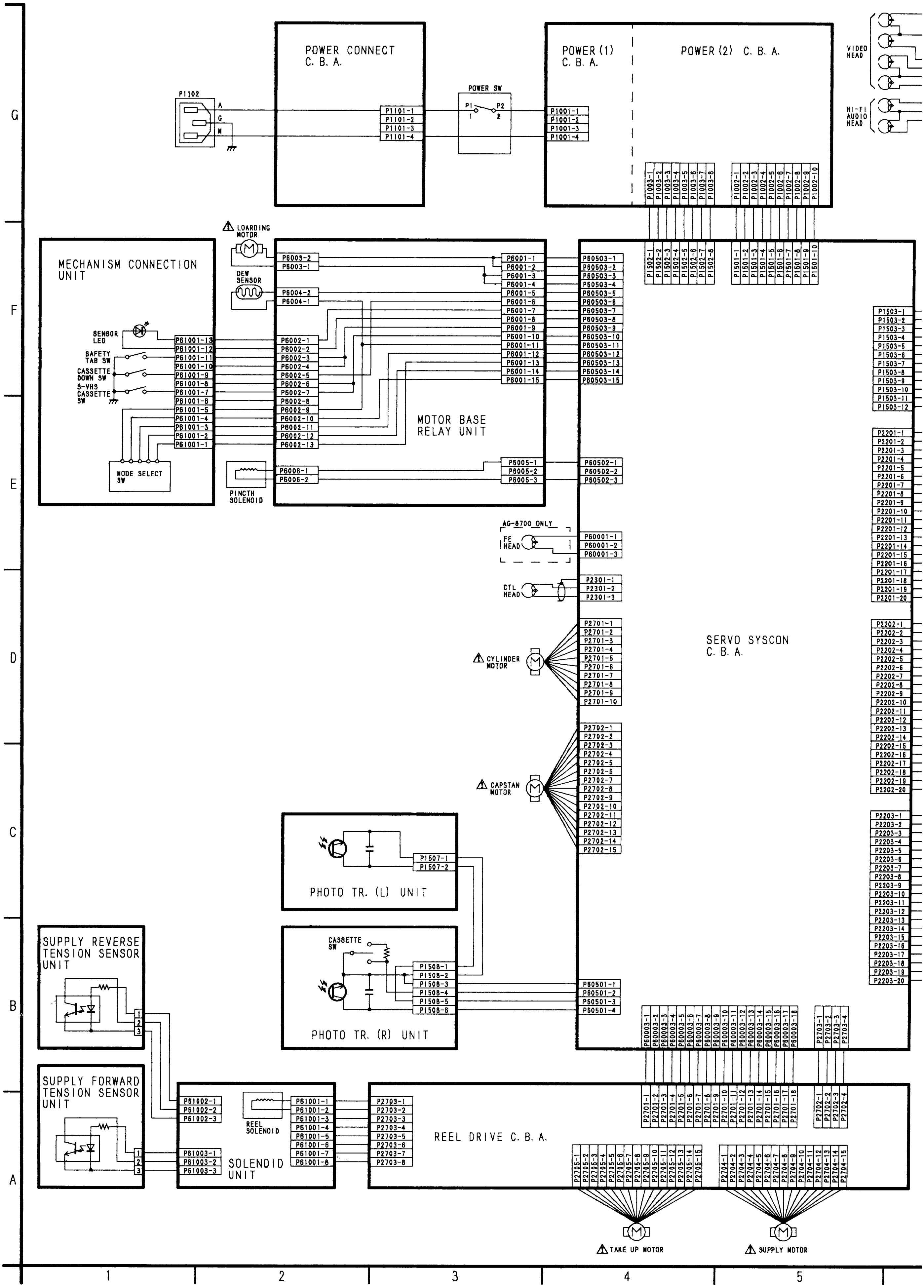
mark on this schematic diagram.



P934 (TO TBC 1)
P933 (TO TBC 2)
P942 (TO AUDIO 2)
P984 (TO FRONT)
P951 (TO MIC JACK/PHONE JACK)
DIGITAL 5.5V
ANALOG 5V
ANALOG 12V
-5V
ANALOG 12V
-12V
D LINE
E LINE
B LINE
9
10
11
12
13

TBC 2)
A
B
NO
P8933-1A | P8933-1B | D GND | 1
P8933-2A | P8933-2B | D5. 5V | 2
P8933-3A | P8933-3B | A GND | 3
P8933-4A | P8933-4B | -5V | 4
P8933-5A | P8933-5B | A5V | 5
P8933-6A | P8933-6B | A12V | 6
P8933-7A | P8933-7B | GND | 7
P8933-8A | P8933-8B | TBC BY (X) | 8
P8933-9A | P8933-9B | TBC RY (X) | 9
P8933-10A | P8933-10B | GND | 10
P8933-11A | P8933-11B | TBC C (X) | 11
P8933-12A | P8933-12B | GND | 12
P8933-13A | P8933-13B | TBC Y (X) | 13
P8933-14A | P8933-14B | | 14
P8933-15A | P8933-15B | SDET Ⓗ | 15
P8933-16A | P8933-16B | GND | 16
P8933-17A | P8933-17B | GND | 17
P8933-18A | P8933-18B | GND | 18
P8933-19A | P8933-19B | GND | 19
P8933-20A | P8933-20B | GND | 20
P8933-21A | P8933-21B | VP | 21
P8933-22A | P8933-22B | VIP | 22
P8933-23A | P8933-23B | GND | 23
P8933-24A | P8933-24B | FHS | 24
P8933-25A | P8933-25B | | 25
P8933-26A | P8933-26B | SETUP | 26
P8933-27A | P8933-27B | HUE | 27
P8933-28A | P8933-28B | RSYNC | 28
P8933-29A | P8933-29B | SYSTEM Ⓗ | 29
P8933-30A | P8933-30B | SYS SC FINE | 30
P8933-31A | P8933-31B | SYS SC COARSE 1 | 31
P8933-32A | P8933-32B | SYS SC COARSE 2 | 32
P8933-33A | P8933-33B | REF PALP | 33
P8933-34A | P8933-34B | TBC ON Ⓗ | 34
P8933-35A | P8933-35B | REF (X) | 35
P8933-36A | P8933-36B | A12V | 36
P8933-37A | P8933-37B | A5V | 37
P8933-38A | P8933-38B | -5V | 38
P8933-39A | P8933-39B | A GND | 39
P8933-40A | P8933-40B | D5. 5V | 40
P8933-41A | P8933-41B | D GND | 41
P8933-42A | P8933-42B | | 42
P8933-43A | P8933-43B | | 43
P8933-44A | P8933-44B | | 44
P8933-45A | P8933-45B | | 45
P8933-46A | P8933-46B | | 46
P8933-47A | P8933-47B | | 47
P8933-48A | P8933-48B | | 48
P8933-49A | P8933-49B | | 49
P8933-50A | P8933-50B | | 50
DIGITAL S. 5V
-5V
ANALOG 5V
ANALOG 12V
(J1)
(J2)
(J3)
(J4)
(C29)
(C55)
(C56)
(C57)
(C42)
(C44)
(C28)
(C45)
(C46)
(C47)
(C48)
(C59)
(C22)
J LINE
P971 (TO REAR AMP)
(C9)
(C8)
(C18)
(C38)
(E1)
(C20)
LINE/Y (X) | 1 | P6602-1
LINE/Y (G) | 2 | P6602-2
4P C (X) | 3 | P6602-3
4P C (G) | 4 | P6602-4
TBC ON Ⓗ | 5 | P6602-5
EE DL SW Ⓛ | 6 | P6602-6
ENC SYNC | 7 | P6602-7
| 8 | P6602-8
REF (X) | 9 | P6602-9
REF (G) | 10 | P6602-10
CH1 LINE IN | 11 | P6602-11
GND | 12 | P6602-12
VD | 13 | P6602-13
P972 (TO REAR AMP)
(E2)
(E3)
(E4)
(E5)
-12V
ANALOG 12V
ANALOG 5V
-5V
CH1 FM IN | 1 | P4009-1
GND | 2 | P4009-2
CH2 LINE IN | 3 | P4009-3
GND | 4 | P4009-4
CH2 FM IN | 5 | P4009-5
GND | 6 | P4009-6
-12V | 7 | P4009-7
+12V | 8 | P4009-8
A5V | 9 | P4009-9
-5V | 10 | P4009-10
TC IN (X) | 11 | P4009-11
TC IN (G) | 12 | P4009-12
TBC C (X) | 13 | P4009-13
(J3)
P973 (TO REAR AMP)
(E6)
(E7)
(J4)
(E8)
(E9)
(E10)
(E11)
TC OUT (X) | 1 | P4006-1
TC OUT (G) | 2 | P4006-2
S VIDEO Ⓛ | 3 | P4006-3
TBC Y (X) | 4 | P4006-4
C0 WIDE Ⓛ | 5 | P4006-5
CH1 LIN AMP OUT | 6 | P4006-6
GND | 7 | P4006-7
CH2 LIN AMP OUT | 8 | P4006-8
GND | 9 | P4006-9
CH1 FM AMP OUT | 10 | P4006-10
GND | 11 | P4006-11
CH2 FM AMP OUT | 12 | P4006-12
GND | 13 | P4006-13
P974 (TO REAR AMP)
(C58)
(E12)
(C4)
(B31)
(C1)
(B30)
(J2)
(J1)
(B27)
MONITOR | 1 | P6603-1
AA GND | 2 | P6603-2
HD | 3 | P6603-3
SIG DET Ⓛ 2 | 4 | P6603-4
Y (X) | 5 | P6603-5
Y (G) | 6 | P6603-6
C (X) | 7 | P6603-7
C (G) | 8 | P6603-8
TBC RY (X) | 9 | P6603-9
TBC RY (G) | 10 | P6603-10
TBC BY (X) | 11 | P6603-11
TBC BY (G) | 12 | P6603-12
C1 WIDE Ⓛ | 13 | P6603-13
13
14
15
16

INTERCONNECTION SCHEMATIC DIAGRAM


POWER CONNECT C. B. A.
POWER (1) C. B. A.
POWER (2) C. B. A.
POWER SW
P1102
VIDEO HEAD
HI-FI AUDIO HEAD
MECHANISM CONNECTION UNIT
LOARDING MOTOR
DEW SENSOR
SENSOR LED
SAFETY TAB SW
CASSETTE DOWN SW
S-VHS CASSETTE SW
MODE SELECT SW
MOTOR BASE RELAY UNIT
PINCTH SOLENOID
AG-8700 ONLY
FE HEAD
CTL HEAD
CYLINDER MOTOR
CAPSTAN MOTOR
SERVO SYSCON C. B. A.
PHOTO TR. (L) UNIT
CASSETTE SW
PHOTO TR. (R) UNIT
SUPPLY REVERSE TENSION SENSOR UNIT
SUPPLY FORWARD TENSION SENSOR UNIT
REEL SOLENOID
SOLENOID UNIT
REEL DRIVE C. B. A.
TAKE UP MOTOR
SUPPLY MOTOR
P1101-1 – P1101-4
P1001-1 – P1001-4
P1003-1 – P1003-8
P1002-1 – P1002-10
P1502-1 – P1502-8
P1501-1 – P1501-10
P1503-1 – P1503-12
P6003-1, P6003-2
P6004-1, P6004-2
P6001-1 – P6001-15
P60503-1 – P60503-15
P61001-1 – P61001-13
P6002-1 – P6002-13
P6006-1, P6006-2
P6005-1 – P6005-3
P60502-1 – P60502-3
P60001-1 – P60001-3
P2301-1 – P2301-3
P2701-1 – P2701-10
P2702-1 – P2702-15
P2201-1 – P2201-20
P2202-1 – P2202-20
P2203-1 – P2203-20
P1507-1, P1507-2
P1508-1 – P1508-6
P60501-1 – P60501-4
P60003-1 – P60003-18
P2703-1 – P2703-4
P2701-1 – P2701-18
P2702-1 – P2702-4
P61002-1 – P61002-3
P61003-1 – P61003-3
P61001-1 – P61001-8
P2703-1 – P2703-8
P2705-1 – P2705-15
P2704-1 – P2704-15
G
F
E
D
C
B
A
1
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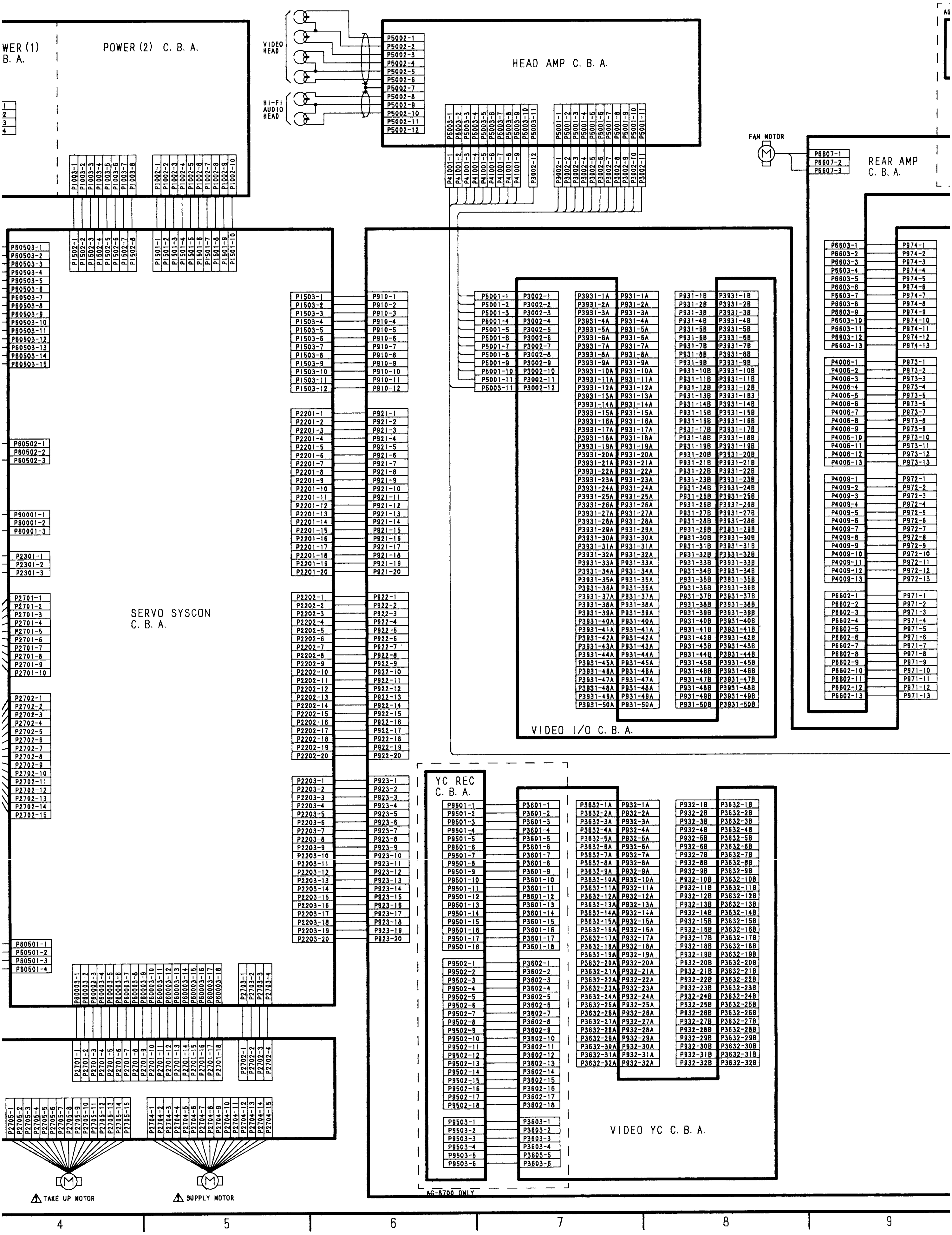
4
5


WER (1)
B. A.
POWER (2) C. B. A.
VIDEO HEAD
HI-FI AUDIO HEAD
HEAD AMP C. B. A.
FAN MOTOR
REAR AMP C. B. A.
SERVO SYSCON C. B. A.
VIDEO I/O C. B. A.
YC REC C. B. A.
VIDEO YC C. B. A.
AG-8700 ONLY
TAKE UP MOTOR
SUPPLY MOTOR
P5002-1 – P5002-12
P5003-1 – P5003-11
P5001-1 – P5001-11
P41001-1 – P41001-9
P3002-1 – P3002-12
P6607-1 – P6607-3
P1003-1 – P1003-8
P1002-1 – P1002-10
P1502-1 – P1502-8
P1501-1 – P1501-10
P60503-1 – P60503-15
P60502-1 – P60502-3
P60001-1 – P60001-3
P2301-1 – P2301-3
P2701-1 – P2701-10
P2702-1 – P2702-15
P60501-1 – P60501-4
P60003-1 – P60003-18
P2703-1 – P2703-4
P2701-1 – P2701-18
P2702-1 – P2702-4
P2705-1 – P2705-15
P2704-1 – P2704-15
P1503-1 – P1503-12
P910-1 – P910-12
P2201-1 – P2201-20
P921-1 – P921-20
P2202-1 – P2202-20
P922-1 – P922-20
P2203-1 – P2203-20
P923-1 – P923-20
P3931-1A – P3931-50A
P931-1A – P931-50A
P931-1B – P931-50B
P3931-1B – P3931-50B
P6603-1 – P6603-13
P974-1 – P974-13
P4006-1 – P4006-13
P973-1 – P973-13
P4009-1 – P4009-13
P972-1 – P972-13
P6602-1 – P6602-13
P971-1 – P971-13
P9501-1 – P9501-18
P3601-1 – P3601-18
P9502-1 – P9502-18
P3602-1 – P3602-18
P9503-1 – P9503-6
P3603-1 – P3603-6
P3632-1A – P3632-32A
P932-1A – P932-32A
P932-1B – P932-32B
P3632-1B – P3632-32B
4
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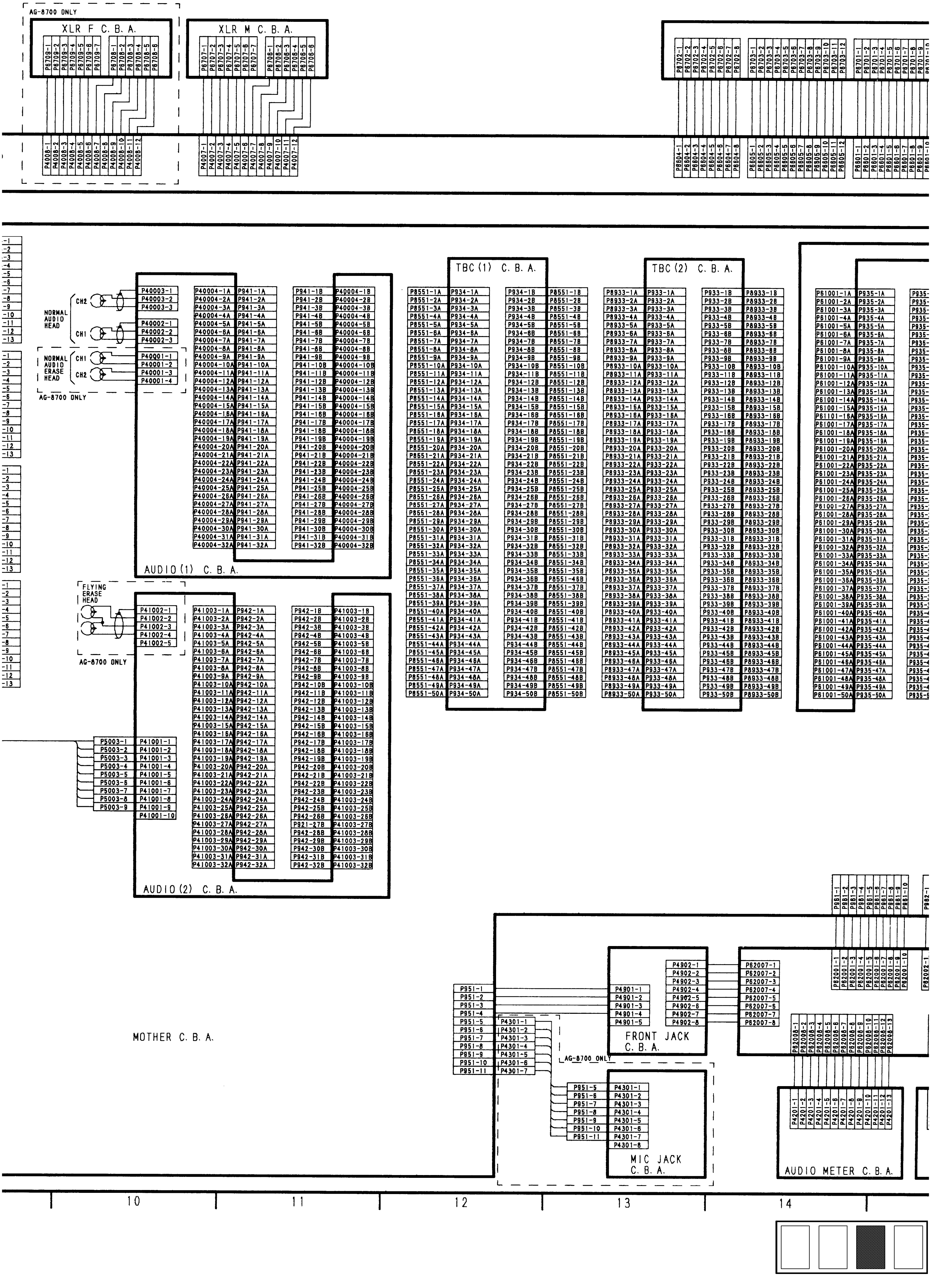
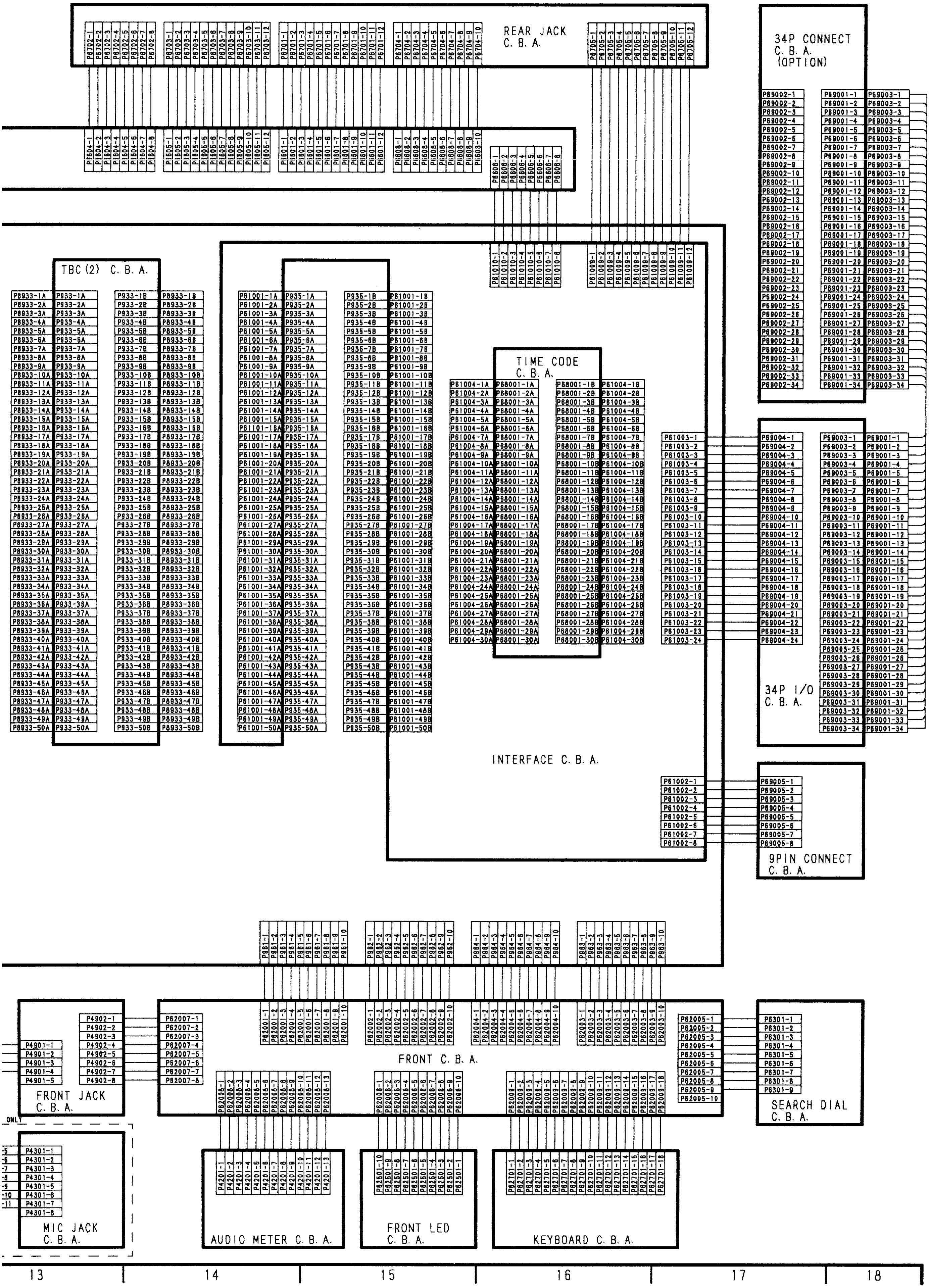

AG-8700 ONLY
XLR F C. B. A.
P8709
P8708
XLR M C. B. A.
P8707
P8706
P4008
P4007
P8702
P8703
P8701
P8604
P8605
P8801
NORMAL AUDIO HEAD
CH1
CH2
NORMAL AUDIO ERASE HEAD
AG-8700 ONLY
P40003
P40002
P40001
P40004
P941
AUDIO (1) C. B. A.
FLYING ERASE HEAD
AG-8700 ONLY
P41002
P41003
P942
P5003
P41001
AUDIO (2) C. B. A.
TBC (1) C. B. A.
P8551
P934
TBC (2) C. B. A.
P8933
P933
P61001
P935
MOTHER C. B. A.
P951
P4301
AG-8700 ONLY
P4901
P4902
FRONT JACK C. B. A.
P62007
P62001
P981
P62008
MIC JACK C. B. A.
P4201
AUDIO METER C. B. A.
10
11
12
13
14


REAR JACK C. B. A.
34P CONNECT C. B. A. (OPTION)
TBC (2) C. B. A.
TIME CODE C. B. A.
INTERFACE C. B. A.
34P I/O C. B. A.
9PIN CONNECT C. B. A.
FRONT C. B. A.
FRONT JACK C. B. A.
SEARCH DIAL C. B. A.
ONLY
MIC JACK C. B. A.
AUDIO METER C. B. A.
FRONT LED C. B. A.
KEYBOARD C. B. A.
13
14
15
16
17
18

NOTES

1. ● Be sure to make your orders of replacement parts according to this list.
   ● "<R>" in Remark column indicates recommended parts.
   ● "<M>" in Remark column indicates needed in the periodical maintenance.
2. IMPORTANT SAFETY NOTICE
   Components indentified by "<!>" have special characteristics important for safety.
   When replacing any of these components, use only the original ones.
   Meaning of symbol "<!>" on this parts list is exactly the same as synbol ⚠ on Schematic and Circuit Board Diagrams.
3. Unless otherwise specified;
   All resistors are in (Ω), K=1,000Ω, M=1,000kΩ.
   All capacitors are in (F), U=10 F, P=10 F.
4. ITEM NUMBERS WITH CAPITAL LETER E
   Item numbers woth capital leter E (Example: E1, E2, ...) in Ref. no. column mean that the parts are listed with the E item numbers in the exploded views.
5. The main assembled parts are shown below C.B.A. marked with "■".
6. When ordering parts, use parts No. only form Part No. column.
7. Printed circuit board assembly with mark (RTL) is no longer available after discontinuation of the product.
8. Abbreviations for parts;

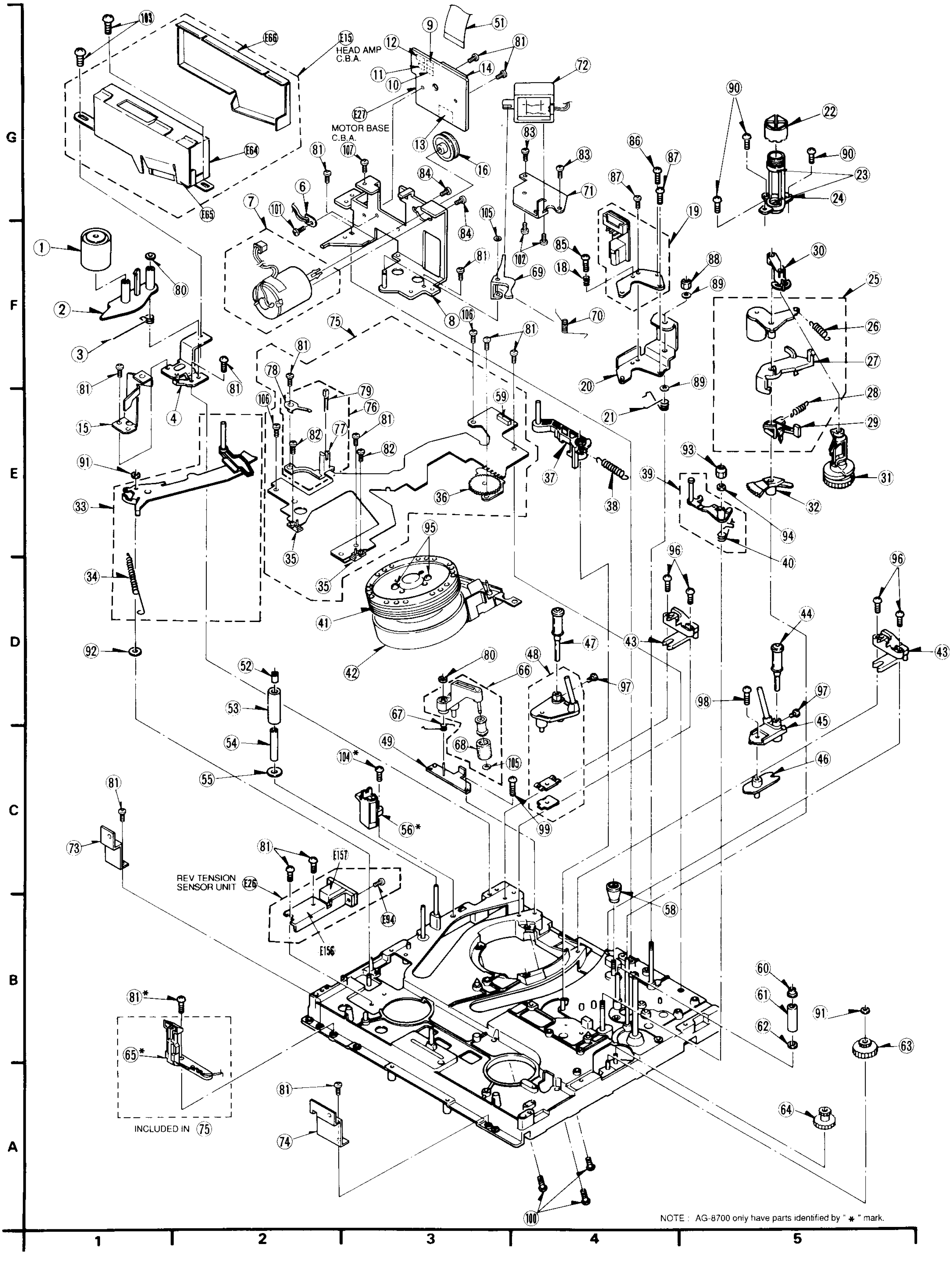
NAME	DESCRIPTION
C.CAPACITOR	CERAMIC CAPACITOR
C.CAPACITOR CH	CERAMIC CHIP CAPACITOR
E.CAPACITOR	ELECTROLYTIC CAPACITOR
G.CAPACITOR	GLASS CAPACITOR
M.CAPACITOR	MICA CAPACITOR
P.CAPACITOR	PLASTIC FILM CAPACITOR
S.CAPACITOR	SEMI-CONDUCTOR CAPACITOR
T.CAPACITOR	TANTALUM CAPACITOR
TRIMMER	TRIMMER
C.RESISTOR	CARBON RESISTOR
F.RESISTOR	FUSE RESISTOR
M.RESISTOR	METAL OXSIDE RESISTOR
M.RESISTOR CH	METAL OXSIDE CHIP RESISTOR
S.RESISTOR	SOLID RESISTOR
V.RESISTOR	VARIABLE RESISTOR
W.RESISTOR	WIRE WOUND RESISTOR
COMBI. TR-R	TRANSISTOR-RESISTOR COMBINATION PARTS
COMBI. R-R	RESISTOR-RESISTOR COMBINATION PARTS
COMBI. C-R-L	CAPACITOR-COIL COMBINATION PARTS
C.B.A.	CIRCUIT BOARD ASSEMBLY

SERVICING FIXTURE & TOOLS LIST

Ref. No.		Part No.	Part Name & Description	Pcs	Remarks
		VFM8180HADH	VHS ALIGNMENT TAPE	1	
		VFK0329	POST ADJ. SCREWDRIVER	1	
		VFK0132	BACK TENSION METER	1	(T2-H7-UM)
			(TENTELO METER, MADE IN U.S.A)		
		VFK1012	POST ADJ. PLATE	1	
		VFK0133	DIAL TORQUE GAUGE	1	
		VFK0180	PLASTIC CLAMPER	1	
		VFK0134	ADAPTOR	1	FOR VFK0133
		VFK0190	REEL TABLE HEIGHT GAUGE	1	
		VFK0236	TENSION POST ADJ. FIXTURE	1	
		VFK0806	TENSION SENSOR ADJ. FIXTURE	1	
		VFK0328	H-POSITION ADJ. SCREWDRIVER	1	
		VFK0330	FINE ADJ. SCREWDRIVER (3mm)	1	
		VFK0335	RETAINING RING REMOVER	1	(3mm / 4mm)
		VFK0326	HEX. WRENCH SET	1	
		VFK0948	CHECK LIGHT	1	
		MOR265	MOLYTONE GREASE	1	
		VFK0680	S.C.R. GREASE	1	
		VFK27	HEAD CREANING STICK	1	
		VFK0269	L-TYPE SCREWDRIVER	1	
		VFK66	FAN TYPE TENSION GAUGE	1	
		VFK0941	EXTENDER BOARD 100P	1	
		VFK0829	EXTENDER BOARD 64P	1	
		VFK0942	EXTENDER CODE 13P	1	
		VFK0685	EXTENDER CODE 40P	1	

EXPLODED VIEWS

❶ *Chassis Parts Section*



103
E66
E15
HEAD AMP
C.B.A.
12
9
51
81
11
10
14
72
E27
MOTOR BASE
C.B.A.
13
16
E64
E65
90
22
23
24
81
107
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104*
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56*
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73
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E157
REV TENSION
SENSOR UNIT
E26
E94
E156
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81*
65*
INCLUDED IN 75
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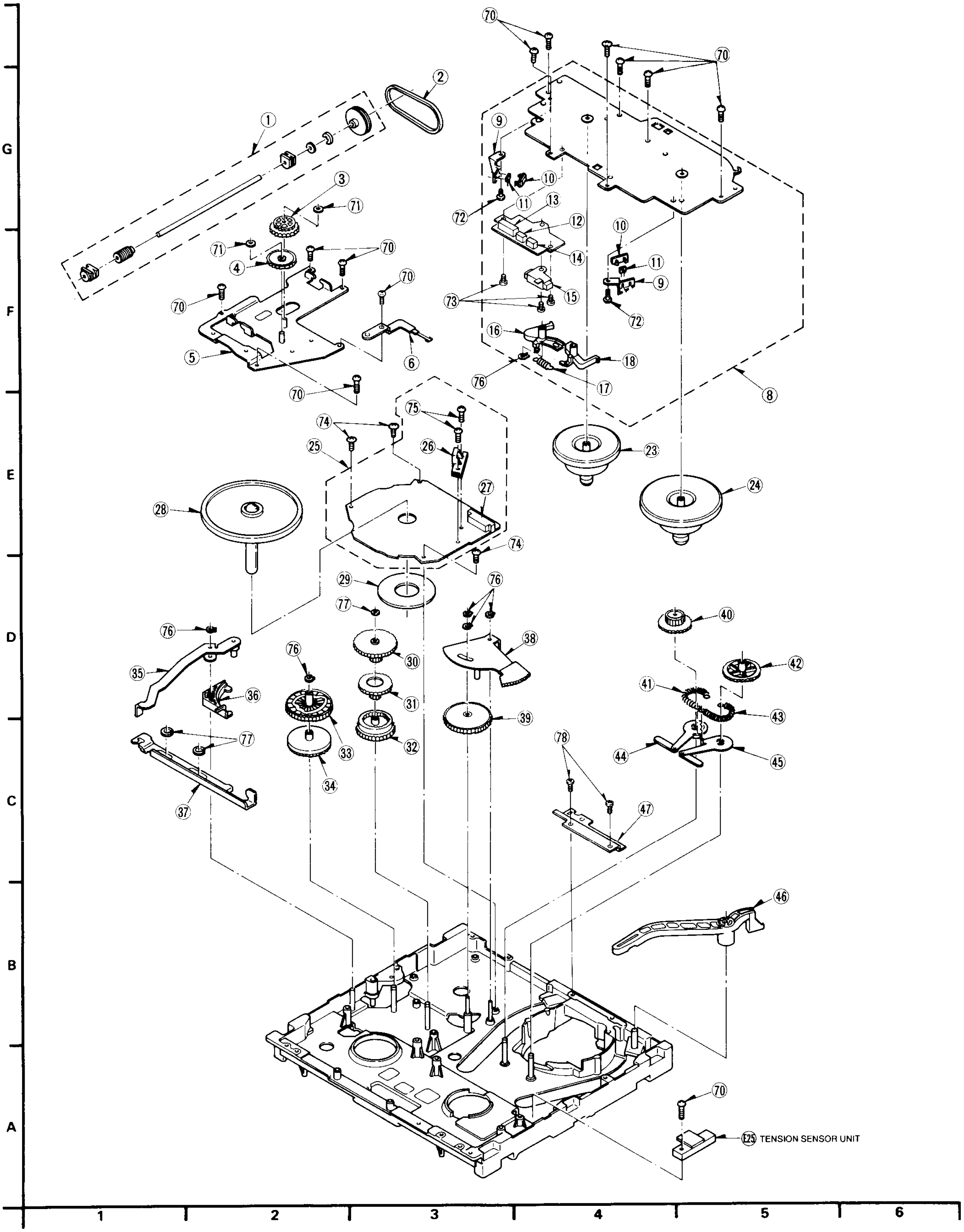
NOTE : AG-8700 only have parts identified by " * " mark.

MECHANICAL REPLACEMENT PARTS LIST

1. Chassis Parts Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
1-1		VXP1075	IMPEDANCE ROLLER UNIT	1	
1-2		VML2293	IMPEDANCE ROLLER ARM	1	
1-3		VMB1976	IMPEDANCE SPRING	1	
1-4		VMA7982	HEAD AMP ANGLE (L)	1	
1-6		VEK3185	HUMIDITY RESISTOR UNIT	1	
1-7		VEM0360	LOADING MOTOR UNIT	1	<!>
1-8		VXA5151	MOTOR BASE (1) UNIT	1	
1-9		VJP1229G	CONNECTOR (2P)	1	
1-10		VJP1229T	CONNECTOR (2P)	1	
1-11		VJP1229R	CONNECTOR (2P)	1	
1-12		VJP1230R	CONNECTOR (3P)	1	
1-13		VJP3106B013	CONNECTOR (13P)	1	
1-14		VJS1493	CONNECTOR (15P)	1	
1-15		VMA8130	IMPEDANCE ROLLER SUPPORT ANGLE	1	
1-16		VDP1319	MOTOR PULLEY	1	
1-18		VMB1251	ADJUST SPRING	1	
1-19		VED0145	A/C HEAD (1) UNIT	1	AG-8700E
1-19		VED0116	A/C HEAD (1) UNIT	1	AG-8600E
1-20		VXA3649	A/C HEAD BASE UNIT	1	
1-21		VMB1567	A/C HEIGHT SPRING	1	
1-22		VXQ0094	THRUST SCREW UNIT	1	
1-23		VMX1567	OIL SEAL	2	
1-24		VXD0120	HOUSING UNIT	1	
1-25		VXL2367	PRESSURE ROLLER UNIT	1	
1-26		VMB1977	PINCH PRESSURE SPRING	1	
1-27		VXL2368	PINCH PRESSURE ARM	1	
1-28		VMB1569	PINCH ARM SPRING	1	
1-29		VML1874	PINCH LIFT ARM	1	
1-30		VMX1353	PINCH CAM ARM	1	
1-31		VDG0577	PINCH CAM	1	
1-32		VDG0651	PINCH SECTOR GEAR	1	
1-33		VXL2089	TENSION ARM UNIT	1	
1-34		VMB1975	TENSION SPRING	1	
1-35		VSP0293	CASSETTE DETECT SW	2	
1-36		VSS0257	MODE SWITCH	1	
1-37		VXL1857	SUB LOADING ARM (1) UNIT	1	
1-38		VMB1566	SUB POST SPRING	1	
1-39		VXL2074	P5 ARM UNIT	1	
1-40		VMB1554	P5 SPRING	1	
1-41		VEH0687	UPPER CYLINDER UNIT	1	AG-8700E
1-41		VEH0719	UPPER CYLINDER UNIT	1	AG-8600E
1-42		VEG1109	LOWER CYLINDER UNIT	1	
1-43		VMD0910	POST STOPPER	2	
1-44		VXP1264	ROLLER POST (1) UNIT	1	
1-45		VXA3213	INCLINED BASE (T)(1) UNIT	1	
1-46		VXA2687	INCLINED ADJUSTMENT PLATE U	1	
1-47		VXP1263	ROLLER POST (S) UNIT	1	
1-48		VXA3249KIT	INCLINED BASE (S)	1	
1-49		VXA3980	HEAD CLEANING PLATE	1	
1-51		VWJ15AW280M0	FLEXIBLE CABLE	1	
1-52		VMX1088	SUPPLY UPPER LIMITER	1	
1-53		VDP1533	SUPPLY ROLLER	1	
1-54		VMX1581	P1 COLLAR	1	
1-55		VMX1533	SUPPLY LOWER LIMITER	1	
1-56		VBS0038	FE HEAD	1	AG-8700E ONLY
1-58		VHN0110	ADJUST NUT	1	
1-59		VJS2964A013	CONNECTOR (15P)	1	
1-60		VMX1544	P4 UPPER LIMITER	1	
1-61		VMX1568	P4 SLEEVE	1	
1-62		VMX1534	P4 LOWER LIMITER	1	
1-63		VDG0664	CONNECTION GEAR	1	
1-64		VDG0483	PINCH SPEED DOWN GEAR	1	
1-65		VES0489	SAFETY SWITCH	1	AG-8700E ONLY
1-66		VXL2263	HEAD CLEANING UNIT	1	
1-67		VMB2532	CLEANING SPRING	1	
1-68		VMT0321	HEAD CLEANING PAD	1	
1-69		VML2845	CAM LEVER	1	
1-70		VMB2672	CAM LEVER SPRING	1	
1-71		VMA8977	SOLENOID BASE	1	
1-72		VSJ0111	PINCH SOLENOID	1	
1-73		VMA6895	MOUNT PLATE (L)	1	
1-74		VMA6896	MOUNT PLATE (R)	1	
1-75		VXA5165	BEND FLEXIBLE UNIT	1	AG-8700E
1-75		VXA5308	BEND FLEXIBLE UNIT	1	AG-8600E
1-76		VXA3520	LED UNIT	1	
1-77		VMD0911	LED HOLDER	1	
1-78		VMB2020	EARTH SPRING	1	
1-79		GL450	LED	1	
1-80		VMX1079	CUT WASHER	2	
1-81		XTV26+6F	SCREW	15	(14):AG-8600E
1-82		XTV2+4F	SCREW	2	
1-83		XYN26+K5	SCREW	2	
1-84		XSN3+3.5	SCREW	2	
1-85		VHD0322	SCREW	1	
1-86		VHD0089B	SCREW	1	
1-87		XSN3D6FZ	SCREW	2	
1-88		VHN0063	M4 NYLON NUT	1	
1-89		XWE4	M4 NYLON WASHER	2	
1-90		VHD0374	SCREW	3	
1-91		VMX0653	CUT WASHER	2	
1-92		XWGV3D6G	POLLY SLIDER WASHER	1	
1-93		VHD0045	M3 NYLON NUT	1	
1-94		XWE3VW	M3 WASHER	1	
1-95		VHD0425	SCREW	2	
1-96		XTV26+10F	SCREW	4	
1-97		VHD0133	SCREW	2	
1-98		XYN26+F6FZ	SCREW	1	
1-99		XTN3+6F	SCREW	1	
1-100		VHD0342	SCREW	3	
1-101		XTV2+6J	SCREW	1	
1-102		XYN26+C4	SCREW	2	
1-103		XTW3+8TR	SCREW	2	
1-104		XTV26+8F	SCREW	1	AG-8700E ONLY
1-105		VMX0653	CUT WASHER	11	
1-106		XTV26+4F	SCREW	2	
1-107		XYE3+EF8R	SCREW	1	

❷ Moving Parts Section



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(125) TENSION SENSOR UNIT

2. Moving Parts Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
2-1		VXP1082	WORM SHAFT UNIT	1	
2-2		VDV0228	LOADING BELT	1	
2-3		VDG0581	WORM WHEEL	1	
2-4		VDG0582	INTERMEDIATE GEAR	1	
2-5		VXA3646	GEAR BASE (1) UNIT	1	
2-6		VXS0098	EARTH SPRING UNIT	1	
2-8		VXA4839	STATOR BASE UNIT	1	
2-9		VMD0611	FG SUPPORT (1)	2	
2-10		VMD0621	FG SUPPORT (2)	2	
2-11		HW-300B	HOLE IC	2	
2-12		VJP1230R	CONNECTOR (3P)	1	
2-13		VJP3202A008Z	CONNECTOR (8P)	1	
2-14		VJP1230T	CONNECTOR (3P)	1	
2-15		VSJ0066	SOLENOID	1	
2-16		VXZ0270	MAIN BRAKE (S) UNIT	1	
2-17		VMB1978	BRAKE SPRING	1	
2-18		VXZ0314	MAIN BLAKE (T) UNIT	1	
2-23		VXR0187	TAKEUP REEL TABLE UNIT	1	
2-24		VXR0225	SUPPLY REEL TABLE UNIT	1	
2-25		VEK6553	STATOR UNIT	1	
2-26		VBK0063	MR HEAD	1	
2-27		VJP1902	CONNECTOR	1	
2-28		VXP1456	ROTOR UNIT	1	<!>
2-29		VMA6847	SUB PLATE	1	
2-30		VDG0580	CENTER GEAR	1	
2-31		VXP0878	RETANER GEAR UNIT	1	
2-32		VDG0342	RING GEAR	1	
2-33		VDG0578	MAIN CAM GEAR	1	
2-34		VDG0343	SUB CAM GEAR	1	
2-35		VXL1895	CAM FOLLOWER ARM UNIT	1	
2-36		VML1861	DETENT ARM	1	
2-37		VMM0218	MAIN ROD	1	
2-38		VXA3144	SECTOR GEAR UNIT	1	
2-39		VDG0579	LOADING CAM GEAR	1	
2-40		VDG0420	LOADING GEAR (T)	1	
2-41		VMB1555	LOADING SPRING (T)	1	
2-42		VDG0593	LOADING GEAR (S)	1	
2-43		VMB1746	LOADING SPRING (S)	1	
2-44		VXL1489	LOADING ARM (T)(1) UNIT	1	
2-45		VXL1487	LOADING ARM (S)(1) UNIT	1	
2-46		VML2304	CLEANING ROD	1	
2-47		VMA8003	MOUNT PLATE (B)	1	
2-70		XTV26+6F	SCREW	12	
2-71		VMX0653	CUT WASHER	2	
2-72		XYN2+F5	SCREW	2	
2-73		XSN26+4	SCREW	3	
2-74		XYEV0004	SCREW	3	
2-75		XYNV0015	SCREW	2	
2-76		XUEV3VW	CAT WASHER	6	
2-77		VMX1079	CUT WASHER	3	
2-78		XTV3+8F	SCREW	2	

3. Cassette Compartment Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
3-1		VXA4504	CASSETTE COMPERTMENT UNIT	1	
3-2		VMA8166	TOP PLATE	1	
3-3		VMD1384	CASSETTE HOLDER CAP	1	
3-4		VMA7992	CASSETTE HOLDER ANGLE	1	
3-6		VMD1387	HOLDER GUIDE (L)	1	
3-7		VXA3691	HOLDER ANGLE UNIT	1	
3-8		VMA7989	CASSETTE HOLDER	1	
3-9		VXA3692	HOLDER GUIDE (R) UNIT	1	
3-10		VML1882	DOOR OPEN LEVER	1	
3-11		VMB1584	DOOR OPEN LEVER SPRING	1	
3-12		VMD1386	HOLDER GUIDE (R)	1	
3-13		VMB2063	RELEASE SPRING	1	
3-14		VML2306	RELEASE LEVER	1	
3-15		VXA3694	SIDE PLATE (L) UNIT	1	
3-16		VML2305	OPENER LEVER	1	
3-17		VXA3693	SIDE PLATE (R) UNIT	1	
3-18		VSS0258	SLIDE SWITCH	1	
3-19		VML2288	DOWN SUPPORT LEVER	1	
3-20		VMB1961	DOWN SUPPORT SPRING	1	
3-22		VXA3696	MAIN RACK UNIT	1	
3-23		VDG0737	DAMPER	1	
3-24		VXA3697	SUB RACK UNIT	1	
3-25		VMB1780	RACK C SPRING	1	
3-26		VMB1997	CLUTCH SPRING	1	
3-28		VMB1999	SUB WIPER SPRING (L)	1	
3-29		VML1878	SUB WIPER ARM (L)	1	
3-30		VML1879	SUB WIPER ARM (R)	1	
3-31		VMB1998	SUB WIPER SPRING (R)	1	
3-32		VXA4500	CASSETTE GUIDE UNIT	1	
3-33		VKF1464	BLINDER PANEL	1	
3-34		VMB1258	BLINDER SPRING	1	
3-35		VDP1398	CASSETTE ROLLER	1	
3-36		VMS5505	ROLLER SHAFT	1	
3-38		VMS4644	SHAFT	1	
3-39		VMD1773	CASSETTE SUPPORT	1	
3-40		VMB2329	SUPPORT SPRING	1	
3-41		VMS3182	MAIN SHAFT	1	
3-42		VML1876	WIPER ARM (L)	1	
3-43		VML1877	WIPER ARM (R)	1	
3-44		VHN0068	STOPPING WASHER	2	
3-50		XTV26+8G	SCREW	2	
3-51		XTV26+6F	SCREW	1	
3-52		XTV3+8G	SCREW	1	
3-53		XUC25FP	E RING	1	

❸ Cassette Compartment Section

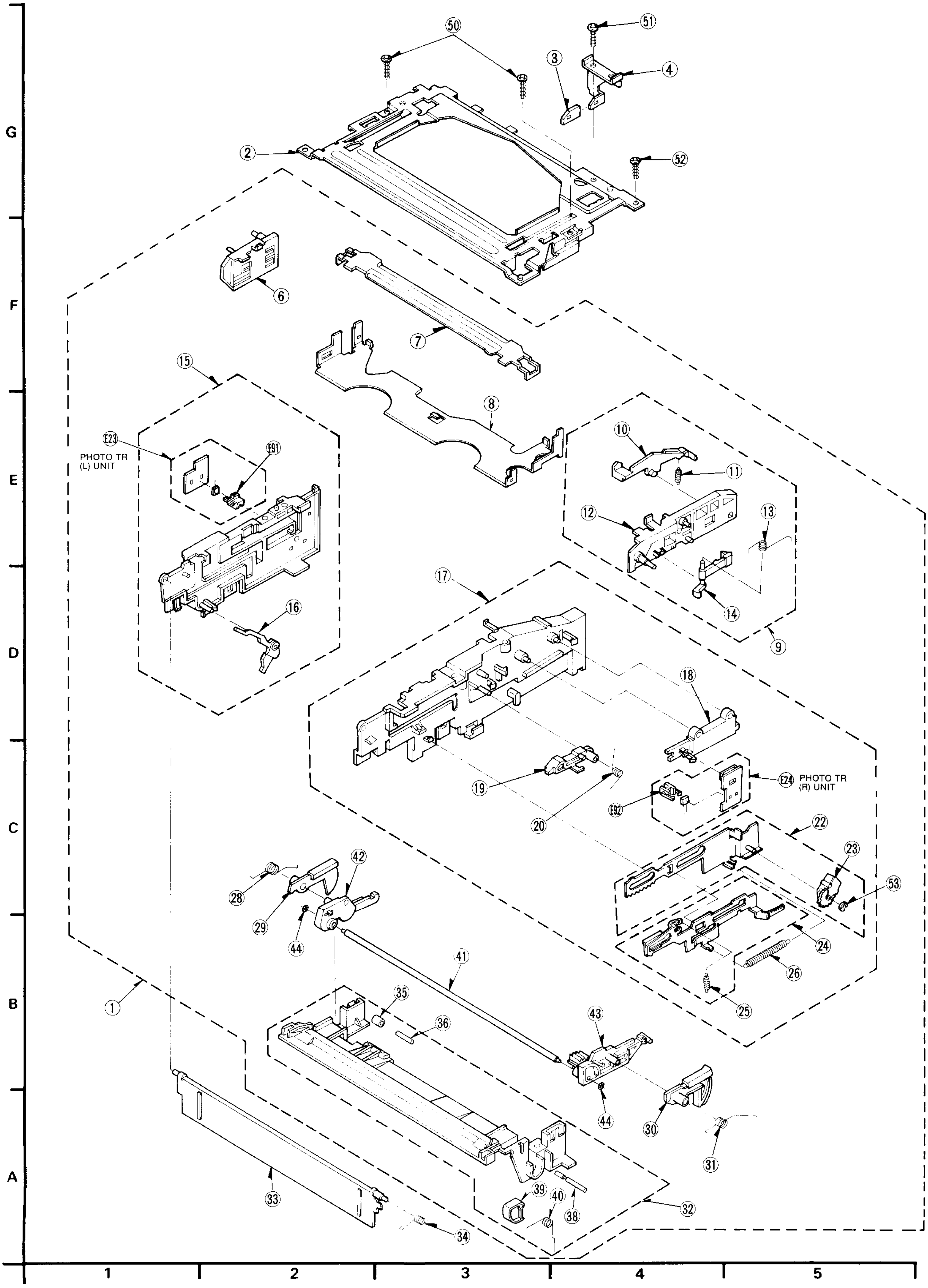
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PHOTO TR (R) UNIT
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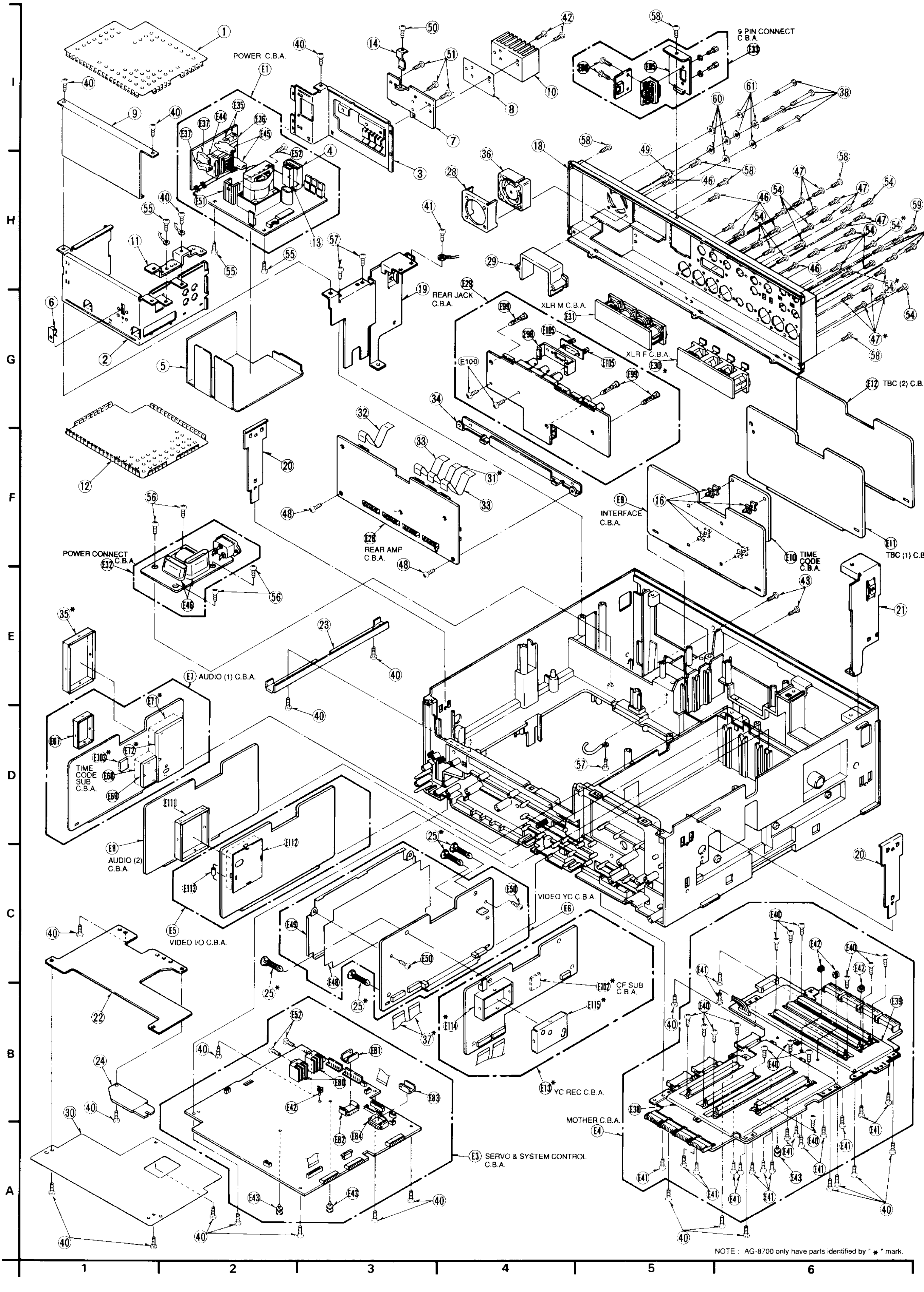
❹ Chassis & Frame Section


POWER C.B.A.
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9 PIN CONNECT C.B.A.
E33
REAR JACK C.B.A.
E29
XLR M C.B.A.
E31
XLR F C.B.A.
E30*
TBC (2) C.B.A.
E12
REAR AMP C.B.A.
E28
INTERFACE C.B.A.
E9
TIME CODE C.B.A.
E10
TBC (1) C.B.A.
E11
POWER CONNECT C.B.A.
E32
AUDIO (1) C.B.A.
E7
TIME CODE SUB C.B.A.
AUDIO (2) C.B.A.
E8
VIDEO I/O C.B.A.
E5
VIDEO YC C.B.A.
E6
CF SUB C.B.A.
E102*
YC REC C.B.A.
E13*
MOTHER C.B.A.
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SERVO & SYSTEM CONTROL C.B.A.
E3
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NOTE : AG-8700 only have parts identified by " * " mark.

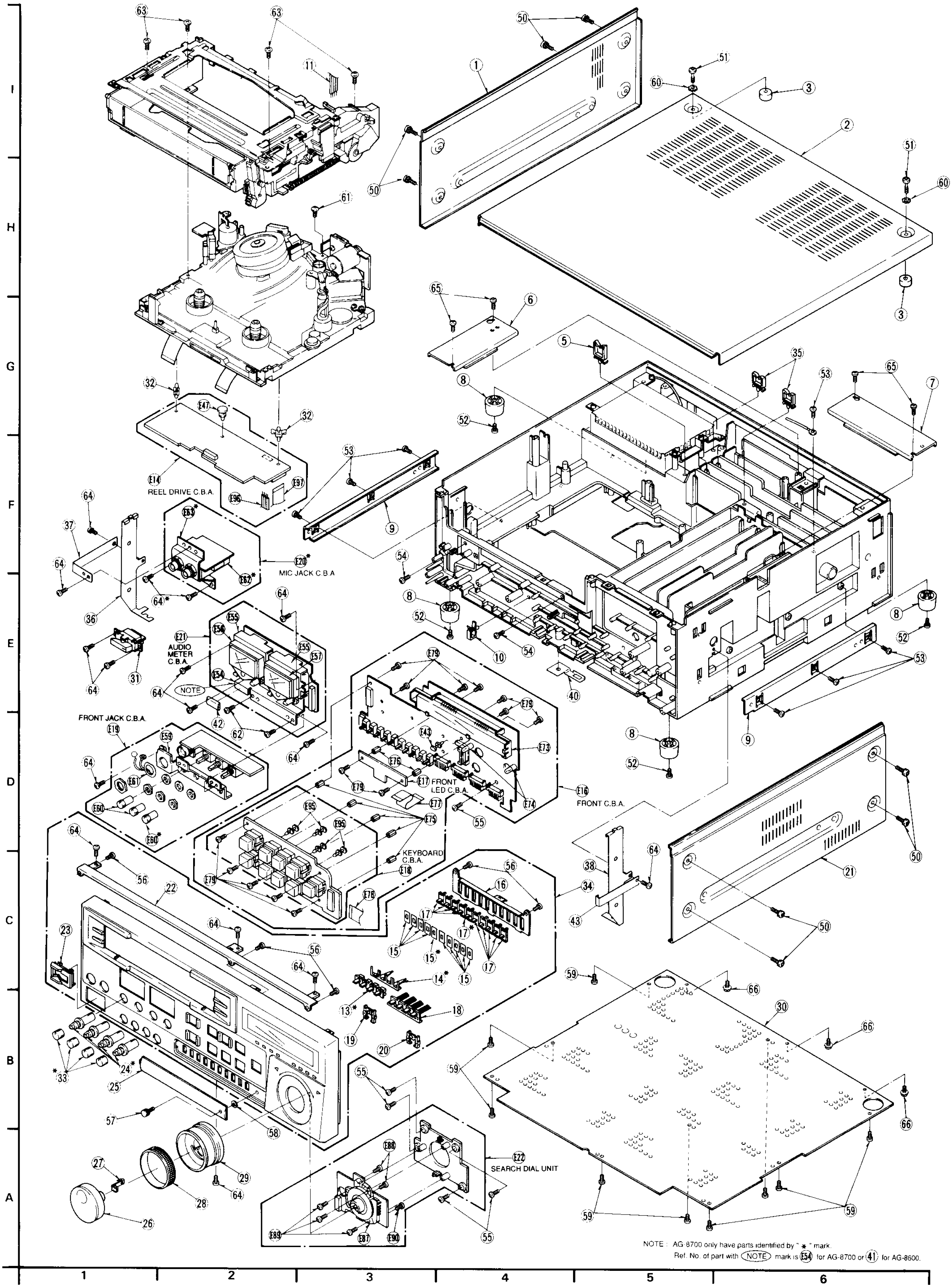
4. Chassis & Frame Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
4-1		VSC3961	POWER UNIT SHIELD CASE (UPPER)	1	
4-2		VSC3963	POWER SHIELD CASE (MIDDLE (A))	1	
4-3		VSC3964	POWER SHIELD CASE (MIDDLE (B))	1	
4-4		VWZ0106	INSULATION TUBE	1	
4-5		VMZ2224	INSULATION SHEET	1	<!>
4-6		VMC0357	TR SPRING	1	
4-7		VSC3965	POWER SHIELD PLATE	1	
4-8		VMT0534	INSULATION SHEET	1	
4-9		VSC4195	POWER SHIELD SHEET	1	
4-10		VSC3966	HEAT SINK	1	
4-11		VMP2669	POWER EARTH ANGLE	1	
4-12		VSC3962	POWER SHIELD CASE (LOWER)	1	
4-13		VMZ2187	INSULATION TUBE	1	<!>
4-14		VMP3083	TR HOLDER	1	
4-16		VJH0632	C.B. HOLDER	4	
4-18		VJH0934	REAR JACK PLATE	1	<!>AG-8700E
4-18		VJH0935	REAR JACK PLATE	1	<!>AG-8600E
4-19		VMP3221	TOP ANGLE (LEFT)	1	<!>
4-20		VXA4649	SIDE ANGLE UNIT	2	
4-21		VMP3222	TOP ANGLE (RIGHT)	1	
4-22		VMP3216	MECHANISM SHIELD PLATE	1	
4-23		VMP3232	POWER CORD SHIELD ANGLE	1	
4-24		VMP3750	SUPPORT ANGLE	1	
4-25		VMX2078	P.C.B. HOLDER	4	AG-8700E ONLY
4-28		VMP4230	FAN MOTOR ANGLE	1	
4-29		VGF0507	AC INLET GUARD	1	
4-30		VSC4186	MECHANISM SHIELD SHEET	1	
4-31		VWJ08AW070M0	FLEXIBLE CABLE	1	
4-32		VWJ10AW070M0	FLEXIBLE CABLE	1	
4-33		VWJ12AW070M0	FLEXIBLE CABLE	2	
4-34		VMP4224	REAR AMP ANGLE	1	
4-35		VSC3970	SHIELD COVER (UPPER)	1	AG-8700E ONLY
4-36		VRF0085	FAN MOTOR	1	
4-37		VWJ18XW040L0	FLEXIBLE CABLE	2	AG-8700E ONLY
4-38		VHD0856	SCREW	4	
4-40		XTV3+10JFR	SCREW	23	
4-41		XYE4+EF6	SCREW	1	
4-42		XYN26+C12FZ	SCREW	2	
4-43		XSB3+10FZ	SCREW	2	
4-43		XSB3+10FZ	SCREW	2	
4-46		XTV3+8GFZ	SCREW	6	(5):AG-8600E
4-47		XSN26+6FZ	SCREW	16	(8):AG-8600E
4-48		XTV3+8FFR	SCREW	2	
4-49		VHD0426	SCREW	1	
4-50		XYN3+C8	SCREW	1	
4-51		XTS3+8F	SCREW	3	
4-54		XTV3+8FFZ	SCREW	15	(12):AG-8600E
4-55		XYE3+EF8FR	SCREW	4	
4-56		XTW3+10TFR	SCREW	4	
4-57		XTV3+10J	SCREW	3	
4-58		XYE3+EF8FZ	SCREW	6	
4-59		XYE3+EF12FZ	SCREW	1	
4-60		XWA35BFZ	WASHER	4	
4-61		XWE35FZ	WASHER	4	

5. Casing Parts Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
5-1		VGM1048	SIDE PANEL (LEFT)	1	
5-2		VGM1047	TOP PANEL	1	
5-3		VMX2248	TOP PANEL SPACER	2	
5-5		VJF0004	MINI CLAMPER	1	
5-6		VMP4225	C.B. HOLDER (1)	1	
5-7		VMP4226	C.B. HOLDER (2)	1	
5-8		VKA0117	RUBBER FOOT	4	
5-9		VXA4551	SUPPORT ANGLE UNIT	2	
5-10		VJF0013	MINI CLAMPER	1	
5-11		VWJ04CN150CA	FLAT CABLE	1	
5-13		VGU6485	OPERATION BUTTON	4	AG-8700E ONLY
5-14		VKC0423	OPERATION BUTTON HOLDER	1	AG-8600E ONLY
5-15		VGF0508	SLIDE KNOB SHEET	9	(8):AG-8600E
5-16		VMP3226	KNOB HOLD ANGLE	1	
5-17		VGU5603	SLIDE KNOB	9	(8):AG-8600E
5-18		VGU6483	COUNTER BUTTON	1	
5-19		VGL0508	REV. PANELIGHT	1	
5-20		VGL0506	FWD PANELIGHT	1	
5-21		VGM1049	SIDE PANEL (RIGHT)	1	
5-22		VMP3225	FRONT SUPPORT ANGLE	1	
5-23		VKW1501	POWER SWITCH COVER	1	
5-24		VGU6482	VR KNOB	4	AG-8700E ONLY
5-25		VKW1839	OPERATION AREA COVER	1	
5-26		VGU4604	JOG DIAL KNOB	1	
5-27		VMC0444	KNOB SPRING	1	
5-28		VMG0476	SEARCH DIAL RUBBER	1	
5-29		VGU4605	SERCH DIAL KNOB	1	
5-30		VKM3678	BOTTOM PLATE	1	
5-31		VES0698	POWER SWITCH UNIT	1	<!>
5-32		VJF0726	C.B. SUPPORT	2	
5-33		VMG0477	VR KNOB CAP	4	AG-8700E ONLY
5-34		VYP6043	FRONT PANEL UNIT	1	AG-8700E
5-34		VYP6044	FRONT PANEL UNIT	1	AG-8600E
5-35		VJF0004	MINI CLAMPER	2	
5-36		VMP3648	EARTH PLATE (LEFT)	1	
5-37		VMP3650	MIC EARTH PLATE	1	
5-38		VMP3649	EARTH PLATE (RIGHT)	1	
5-39		VMC1039	FRONT EARTH SPRING	2	
5-40		VSC4094	SHIELD PLATE	1	
5-41		VMP3282	METER ANGLE	1	
5-42		VMT0509	CONDUCTIVE CUSHION	1	
5-43		VMP4424	EARTH PLATE HOLDER	1	
5-50		VHD0426	SCREW	8	
5-51		VHD0222	SCREW	2	
5-52		XTV3+16G	SCREW	4	
5-53		XTV3+10J	SCREW	7	
5-54		XTV4+8F	SCREW	2	
5-55		XTV4+10JFR	SCREW	5	
5-56		XTV3+8J	SCREW	5	
5-57		VHD0679	SCREW	1	
5-58		VMX1558	STOPPING WASHER	1	
5-59		VHD0059	SCREW	9	
5-60		XWC4BFY	WASHER (M4)	2	
5-61		XTV4+12J	SCREW	1	
5-62		XTV3+8F	SCREW	2	
5-63		XTV26+8FR	SCREW	4	
5-64		XTV3+10JFR	SCREW	16	(14):AG-8600E
5-65		XYN3+8FR	SCREW	4	
5-66		XYE3+EF6	SCREW	3	

❺ Casing Parts Section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REEL DRIVE C.B.A.
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MIC JACK C.B.A
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FRONT JACK C.B.A.
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FRONT LED C.B.A.
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FRONT C.B.A.
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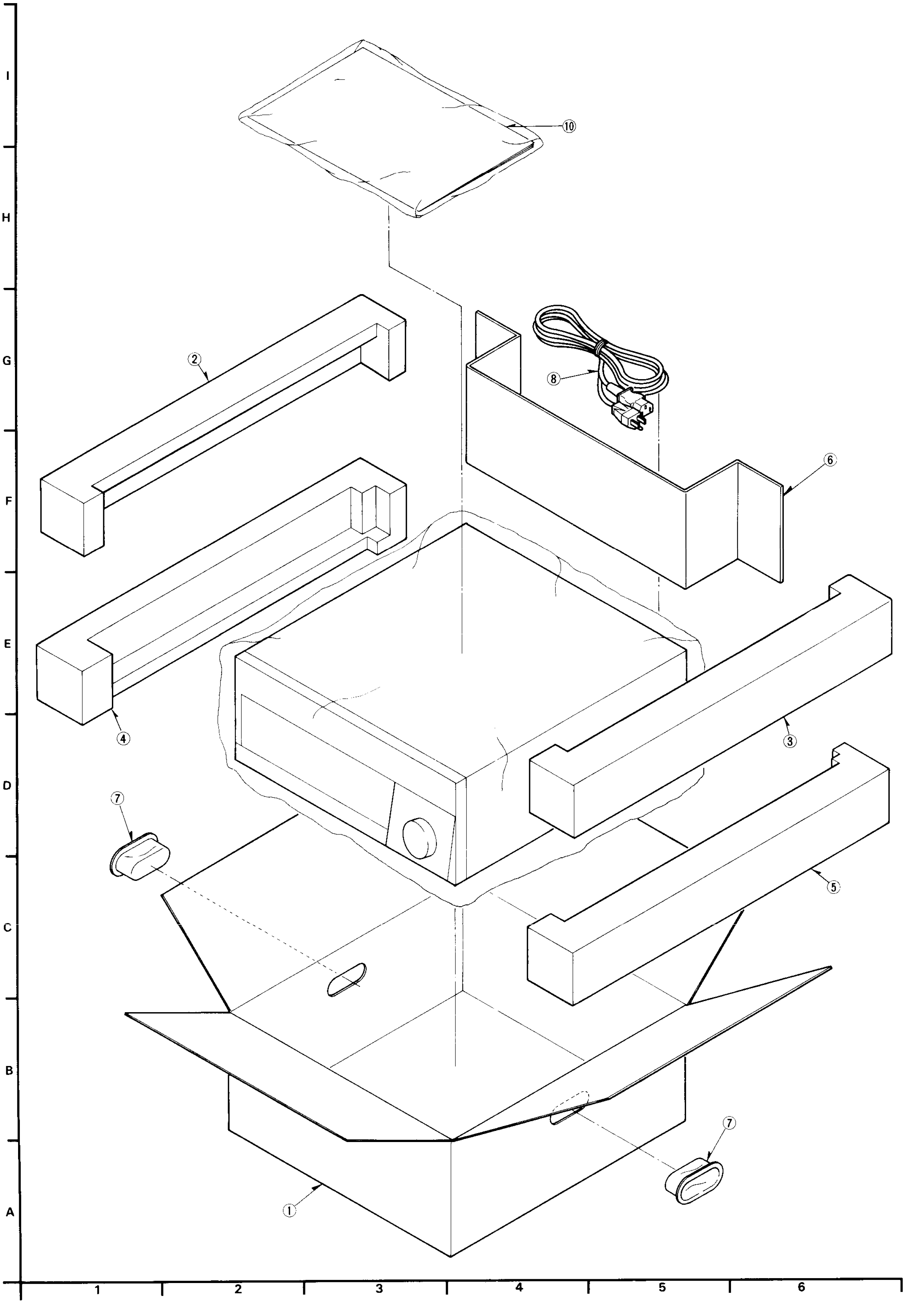
NOTE : AG-8700 only have parts identified by " ✱ " mark.
Ref. No. of part with (NOTE) mark is E54 for AG-8700 or ㊶ for AG-8600.

❻ Packing Parts Section



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6. Packing Parts Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
6-1		VPG8162	PACKING CASE	1	AG-8700E
6-1		VPG8163	PACKING CASE	1	AG-8600E
6-2		VPN3799	CUSHION (LEFT TOP)	1	
6-3		VPN3801	CUSHION (RIGHT TOP)	1	
6-4		VPN3802	CUSHION (LEFT BOTTOM)	1	
6-5		VPN3803	CUSHION (RIGHT BOTTOM)	1	
6-6		VPN3899	PAD	1	
6-7		VPF0149	HANDLE	1	
6-8		VJA0746	POWER CORD	1	<!>
6-8		VJA0738	POWER CORD	1	<!>
6-10		VQT6265	OPERATING INSTRUCTIONS	1	<!>

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E9		VEP06903D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			INTERFACE		
E10		VEP06913F	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			TIME CODE		AG-8700E
E10		VEP06913G	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			TIME CODE		AG-8600E
E13		VEP03B42B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			YC REC		AG-8700E
E6		VEP03B44C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			VIDEO YC		AG-8700E
E6		VEP03B44D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			VIDEO YC		AG-8600E
E21		VEP04328A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			AUDIO METER		AG-8700E
E21		VEP04328B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			AUDIO METER		AG-8600E
E19		VEP04418C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			FRONT JACK		AG-8700E
E19		VEP04418D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			FRONT JACK		AG-8600E
E1		VEP01609B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			POWER		
E4		VEP00V07C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			MOTHER		AG-8700E
E4		VEP00V07D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			MOTHER		AG-8600E
E32		VEP01478C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			POWER CONNECT		
E14		VEP02417B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			REEL DRIVE		
E5		VEP03B43C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			VIDEO I/O		AG-8700E
E5		VEP03B43D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			VIDEO I/O		AG-8600E
E20		VEP04419A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			MIC JACK		AG-8700E ONLY
E7		VEP04420C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			AUDIO (1)		AG-8700E
E7		VEP04420D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			AUDIO (1)		AG-8600E
E8		VEP04421C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			AUDIO (2)		AG-8700E
E8		VEP04421D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			AUDIO (2)		AG-8600E
E15		VEP05162N	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			HEAD AMP		AG-8700E
E15		VEP05162P	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			HEAD AMP		AG-8600E
E16		VEP06902H	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			FRONT		AG-8700E
E17		VEP06929A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			FRONT LED		FOR VEP06902H
E18		VEP06962A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			KEY BOARD		FOR VEP06902H
E16		VEP06902G	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			FRONT		AG-8600E
E17		VEP06929B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			FRONT LED		FOR VEP06902G
E18		VEP06962B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			KEY BOARD		FOR VEP06902G
E3		VEP06904E	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			SERVO & SYSCON		AG-8700E
E3		VEP06904F	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			SERVO & SYSCON		AG-8600E
E12		VEP08160B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			TBC (2)		
E11		VEP08179A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			TBC (1)		
E30		VEP04424A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			XLR M		
E31		VEP04425A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			XLR F		AG-8700E ONLY
E33		VEP06906A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			9P CONNECT		
E28		VEP06908E	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			REAR AMP		AG-8700E
E28		VEP06908F	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			REAR AMP		AG-8600E
E29		VEP06909A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			REAR JACK		AG-8700E
E29		VEP06909B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			REAR JACK		AG-8600E
E25		VEK2567	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			TENSION SENSOR UNIT		
E26		VEK4265	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			REV TENSION SENSOR UNIT		
E24		VEK4058	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			PHOTO TR. (R) UNIT		
E23		VEK3578	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			PHOTO TR. (L) UNIT		
E27		VEK6633	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			MOTOR BASE		
E22		VEK5556	P.C.BOARD W/COMPONENT	1	(RTL)<R>
			SEARCH DIAL UNIT		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP06903D	P.C.BOARD W/COMPONENT		
			INTERFACE		
C61001		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C61002,03		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C61004		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C61005-07		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C61008		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C61009,10		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	2	
C61011		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C61012		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C61013		ECEA1HU3R3	E.CAPACITOR 50V 3.3U	1	
C61014		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C61015		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C61016-21		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	6	
C61026-29		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	4	
C61030		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C61031-34		ECEA0JU470	E.CAPACITOR 6.3V 47U	4	
C61035,36		ECEA1HU010	E.CAPACITOR 50V 1U	2	
C61037-48		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	12	
C61049-51		ECEA1CU100	E.CAPACITOR 16V 10U	3	
C61052		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C61053		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C61054		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
D61001-04		11EQS04	DIODE	4	<R>
D61005-12		MA153	DIODE	8	<R>
FL61001		VLF1016A470	FILTER	1	
FL61004		VLF0634	FILTER	1	
IC61001		HD641180XF6	IC	1	<R>
IC61002		VSI1403J	IC	1	<R>
IC61003		X22C12P	IC	1	<R>
IC61004		UPD65012FA19	IC	1	<R>
IC61005		TL7705CPSB	IC	1	<R>
IC61006		MC74HC4538A	IC	1	<R>
IC61007		MC74HC32AF	IC	1	<R>
IC61008		TC7W00F	IC	1	<R>
IC61009		TC7W04F	IC	1	<R>
IC61010		MC74HC14AF	IC	1	<R>
IC61011		MC34051M	IC	1	<R>
IC61013		MC74HC541AF	IC	1	<R>
IC61014		MC74HC245AF	IC	1	<R>
IC61015		MC74HC541AF	IC	1	<R>
IC61016		MC74HC138AF	IC	1	<R>
IC61017		MB89363BPF	IC	1	<R>
IC61018,19		MB86023PF	IC	2	<R>
IC61020-22		MC74HC4053F	IC	3	<R>
IC61023		NJM2233BMA	IC	1	<R>
L61001		VLQEL05S470J	COIL 47UH	1	
L61002		VLQ0067	COIL	1	
L61003,04		VLP0054	COIL	2	
L61006		VLP0017	COIL	1	
L61007-09		VLQEL05S470J	COIL 47UH	3	
P61001		VJP3176B100	CONNECTOR	1	
P61002		VJP3076	CONNECTOR	1	
P61003		VJS3406D024	CONNECTOR	1	
P61004		VJS3505C060	CONNECTOR	1	
P61009		VJP3092	CONNECTOR (MALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P61010		VJP3088	CONNECTOR	1	
Q61001		MSB709-R	TRANSISTOR	1	<R>
Q61002,03		MSD601-R	TRANSISTOR	2	<R>
R61001,02		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R61003,04		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R61005,06		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R61007-12		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	6	
R61014-30		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	17	
R61032,33		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R61034		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R61035		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R61036,37		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R61038-47		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	10	
R61048,49		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R61050		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R61051-55		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	5	
R61056-63		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	8	
R61064		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R61065		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R61066-92		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	27	
R61094-13		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	20	
R61114-21		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	8	
R61122-25		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	4	
R61127-37		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	11	
R61140-58		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	19	
R61160-79		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	20	
R61180-82		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	3	
R61184		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R61185		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R61186		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R61187		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R61188		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R61189		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R61190		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R61191		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R61193-97		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	5	
R61198		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
X61001		VSX0373	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E116		VJS2336A028	IC SOCKET	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP06913F	P.C.BOARD W/COMPONENT		AG-8700E
			TIME CODE		
C68001,02		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C68003		ECEV1HVR22Q	E.CAPACITOR 50V 0.22U	1	
C68004,05		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C68006-09		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	4	
C68010,11		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C68012-16		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	5	
C68017		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C68018		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C68019		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C68020		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C68021-27		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	7	
C68028		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68029,30		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C68031		ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C68032		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C68033		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C68034		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C68035		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68036		ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C68037		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C68038,39		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C68040		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C68041		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C68042		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C68043		ECHU1C102JA	P.CAPACITOR 16V 1000P	1	
C68044		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C68045		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C68046		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C68047		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68048		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
D68001-05		MA151K	DIODE	5	<R>
IC68001		UPD78220GJ	IC	1	<R>
IC68002		MN51040VPI	IC	1	<R>
IC68003		MB8421-90LPF	IC	1	<R>
IC68004		51951AML600D	IC	1	<R>
IC68005,06		MC74HC32AF	IC	2	<R>
IC68007		MC74HC04AF	IC	1	<R>
IC68008		MC74HC32AF	IC	1	<R>
IC68009		MC74HC373AF	IC	1	<R>
IC68011		MC74HC4053F	IC	1	<R>
IC68012		AN1319S	IC	1	<R>
IC68013,14		MC74HC4053F	IC	2	<R>
IC68015		TC74HC221AF	IC	1	<R>
IC68016		AN6912S	IC	1	<R>
IC68017		UPD65005X436	IC	1	<R>
IF68010		VJF1046	IC SOCKET COVER	1	
IS68010		VJS3427X028	CONNECTOR	1	
IS68010		VSI1404C	IC SOCKET	1	
L68001		VLQ0319K221	COIL 220UH	1	
P68001		VJP3507C060	CONNECTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q68001		MSB709-R	TRANSISTOR	1	<R>
R68001-03		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	3	
R68004		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R68005,06		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R68007		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R68008		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68009		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R68010		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R68011,12		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R68013		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R68014		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R68015,16		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R68017		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R68018		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R68019		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R68020		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R68021		ERJ6GEYJ394	M.RESISTOR CH 1/10W 390K	1	
R68022		ERJ6GEYG132	M.RESISTOR CH 1/10W 1.3K	1	
R68023		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R68024,25		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R68026		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R68027		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68028		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R68029		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68030		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R68031		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R68032		VRE0034E202	M.RESISTOR CH 1/10W 2K	1	
R68033		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R68034		VRE0034E183	M.RESISTOR CH 1/10W 18K	1	
R68035		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68037		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68038		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R68039		ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R68040		ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R68041		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R68042,43		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R68044		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R68045		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68046,47		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	2	
R68048		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R68049		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R68050		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
SW68001		VSS0342	SWITCH	1	<R>
VR68001		VRV0161B203	V.RESISTOR	1	
X68001		VSX0499	CRYSTAL OSCILLATOR	1	<R>
X68002		VSX0498	CRYSTAL OSCILLATOR	1	<R>
X68003		VSX0615	CRYSTAL OSCILLATOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP06913G	P.C.BOARD W/COMPONENT		AG-8600E
		TIME CODE		
C68001,02	ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C68003	ECEV1HVR22Q	E.CAPACITOR 50V 0.22U	1	
C68004,05	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C68006-09	ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	4	
C68010,11	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C68012-16	ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	5	
C68017	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C68018	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C68019	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C68020	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C68021-27	ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	7	
C68028	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68029,30	ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C68034	ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C68035	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68037	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C68038,39	ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C68040	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C68046	ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C68047	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68048	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
D68001,02	MA151K	DIODE	2	<R>
D68004,05	MA151K	DIODE	2	<R>
IC68001	UPD78220GJ	IC	1	<R>
IC68002	MN51040VPI	IC	1	<R>
IC68003	MB8421-90LPF	IC	1	<R>
IC68004	51951AML600D	IC	1	<R>
IC68005,06	MC74HC32AF	IC	2	<R>
IC68007	MC74HC04AF	IC	1	<R>
IC68008	MC74HC32AF	IC	1	<R>
IC68009	MC74HC373AF	IC	1	<R>
IC68011	MC74HC4053F	IC	1	<R>
IC68012	AN1319S	IC	1	<R>
IC68013,14	MC74HC4053F	IC	2	<R>
IC68016	AN6912S	IC	1	<R>
IF68010	VJF1046	IC SOCKET COVER	1	
IS68010	VJS3427X028	IC SOCKET	1	
IS68010	VSI1404C	IC SOCKET	1	
P68001	VJP3507C060	CONNECTOR	1	
R68001-03	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	3	
R68004	ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R68005,06	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R68007	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R68008	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68009	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R68010	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R68011,12	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R68013	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R68014	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R68018	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R68019	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R68020	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R68021	ERJ6GEYJ394	M.RESISTOR CH 1/10W 390K	1	
R68022	ERJ6GEYG132	M.RESISTOR CH 1/10W 1.3K	1	
R68023	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R68024,25	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R68026	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R68027	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68028	ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R68029	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68030	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R68031	ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R68038	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R68039	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R68040	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R68041	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R68042,43	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R68044	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R68045	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R68046,47	ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	2	
R68048	ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R68050	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
X68001	VSX0499	CRYSTAL OSCILLATOR	1	<R>
X68002	VSX0498	CRYSTAL OSCILLATOR	1	<R>
X68003	VSX0615	CRYSTAL OSCILLATOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP03B42B	P.C.BOARD W/COMPONENT		AG-8700E
			YC REC		
C9001		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C9002		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C9003		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C9004		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C9005		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C9006		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C9007		ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C9008,09		ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	2	
C9010-12		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	3	
C9013		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C9014,15		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C9016		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9031		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C9032		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C9033		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9034		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C9057		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9092,93		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C9094		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C9095		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9096		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9098,99		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C9101		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C9102		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9103		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C9104		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C9106		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C9107		ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C9108,09		ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	2	
C9110		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C9111,12		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C9113		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C9114		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9115		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C9116		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C9119		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9120		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9122		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C9123		ECEV0GV101Q	E.CAPACITOR 4V 100U	1	
C9124		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C9126		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C9128		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C9131		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C9133		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C9134		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C9135		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C9136,37		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C9138		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C9152		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9185		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9189		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9193		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9194		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C9195		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9196		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9198,99		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C9201		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C9202		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C9203		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9204		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9205		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C9208-10		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	3	
C9212		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9213		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C9215		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9223		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9233		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9235		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9243		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C9245		ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U	1	
C9252		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9285		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C9286		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C9287		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C9289		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9290		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C9293		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C9295		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9310		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C9314		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9316		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C9317		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C9318		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C9322		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9323		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9324		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9325		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9330		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9331		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C9332		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9333		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C9334,35		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C9336		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C9337		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9338		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C9339		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C9340,41		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C9342		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C9343		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9345		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9385		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9395		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C9401		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C9402		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9403		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C9404		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9405		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C9406		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C9408,09		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C9411-13		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C9414		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9415		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C9416		ECEV1CV220Q	E.CAPACITOR 16V 22U	1	
C9417		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C9418		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C9420		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C9421		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C9434,35		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C9438		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C9439		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C9440		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C9445,46		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C9501		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C9502		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9503		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C9504		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9505		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C9506		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9601		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9602,03		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C9604		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9606-13		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	8	
C9615		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C9617-21		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	5	
C9650		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C9651,52		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C9653		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C9654		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C9655		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C9656-58		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C9659		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C9676		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C9680		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9691		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C9692		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C9693		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C9694		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C9697		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
D9111,12		MA151K	DIODE	2	<R>
D9201		MA151K	DIODE	1	<R>
D9301,02		MA151K	DIODE	2	<R>
D9401		MA151K	DIODE	1	<R>
D9501		11EQS04	DIODE	1	<R>
D9655		MA704	DIODE	1	<R>
DL9201		VLD0265	DELAY	1	
DL9202		VLD0266	DELAY	1	
FL9003		VLF0932	FILTER	1	
FL9101		VLF0639	FILTER	1	
FL9102		ELB4M022	FILTER	1	
FL9103		VLF0932	FILTER	1	
FL9302		VLF1048	FILTER	1	
FL9401		VLF1132	FILTER	1	
FL9601		VLF1016A223	FILTER	1	
IC9011		TC7S08F	IC	1	<R>
IC9012		NJM082BM	IC	1	<R>
IC9013		MC14577CP	IC	1	<R>
IC9014		TC74HC221AF	IC	1	<R>
IC9015		AN3916	IC	1	<R>
IC9016		TC7S66F	IC	1	<R>
IC9017		TC7S04F	IC	1	<R>
IC9021		NJM78L05UA	IC	1	<R>
IC9035		TC7S08F	IC	1	<R>
IC9101		TC4W53F	IC	1	<R>
IC9102		TC74HC221AF	IC	1	<R>
IC9103		MC14577CP	IC	1	<R>
IC9104		TC4S584F	IC	1	<R>
IC9105		TC74HC123AF	IC	1	<R>
IC9106		TC7S08F	IC	1	<R>
IC9112		NJM082BM	IC	1	<R>
IC9113		MC14577CP	IC	1	<R>
IC9114		TC74HC221AF	IC	1	<R>
IC9115		AN3916	IC	1	<R>
IC9121		NJM78L05UA	IC	1	<R>
IC9201		TC7S04F	IC	1	<R>
IC9202		TC7S66F	IC	1	<R>
IC9203		LM324NS	IC	1	<R>
IC9204		TC7S66F	IC	1	<R>
IC9209		MC14577CP	IC	1	<R>
IC9212		TK16031M	IC	1	<R>
IC9222		TK16031M	IC	1	<R>
IC9302		AN6367S	IC	1	<R>
IC9310		NJM2234MA	IC	1	<R>
IC9401		AN614	IC	1	<R>
IC9403		TC4W53F	IC	1	<R>
IC9404		SN74LS221NS	IC	1	<R>
IC9405		TA75W555FU	IC	1	<R>
IC9406		TA75S393F	IC	1	<R>
IC9409		TC7S04F	IC	1	<R>
IC9410		MC14538BF	IC	1	<R>
IC9411		MC14013BF	IC	1	<R>
IC9412		MC14040BF	IC	1	<R>
IC9413		MC14538BF	IC	1	<R>
IC9417		MC14013BF	IC	1	<R>
IC9419		TC4S30F	IC	1	<R>
IC9601		CXD2105AQ	IC	1	<R>
IC9602		SN74LS221NS	IC	1	<R>
IC9603		AN78L05	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC9606		TC7WU04F	IC	1	<R>
IC9655		CXD1175AM	IC	1	<R>
IC9691		MC74HC74AF	IC	1	<R>
L9002,03		VLQ0319K101	COIL 100UH	2	
L9010		VLQ0163J221	COIL 220UH	1	
L9102,03		VLQ0319K101	COIL 100UH	2	
L9105,06		VLQ0163J270	COIL 27UH	2	
L9110		VLQ0163J221	COIL 220UH	1	
L9225		VLQ0319K101	COIL 100UH	1	
L9227		VLQ0163J180	COIL 18UH	1	
L9228		VLQ0163J150	COIL 15UH	1	
L9235		VLQ0319K101	COIL 100UH	1	
L9304		VLQ0319K101	COIL 100UH	1	
L9308		VLQ0163J470	COIL 47UH	1	
L9328		VLQ0163J150	COIL 15UH	1	
L9329		VLQ0163J180	COIL 18UH	1	
L9402		VLQ0319K101	COIL 100UH	1	
L9404,05		VLQ0319K101	COIL 100UH	2	
L9501		VLP0133	COIL	1	
L9602		VLQ0319K101	COIL 100UH	1	
L9691,92		VLQ0163J2R7	COIL 2.7UH	2	
L9693		VLQ0163J151	COIL 150UH	1	
P9001		VJP1141	CONNECTOR (MALE) 2P	1	
P9501,02		VJS2907D018	CONNECTOR (FEMALE) 18P	2	
P9503		VJP1246T	CONNECTOR (MALE) 6P	1	
Q9001		XN4601	TRANSISTOR-TRANSISTOR	1	<R>
Q9008		MSB709-R	TRANSISTOR	1	<R>
Q9018		MSD601-R	TRANSISTOR	1	<R>
Q9019		2SK198-R	TRANSISTOR	1	<R>
Q9020		MSB709-R	TRANSISTOR	1	<R>
Q9034		MSD601-R	TRANSISTOR	1	<R>
Q9101,02		MSB709-R	TRANSISTOR	2	<R>
Q9103		XN4601	TRANSISTOR-TRANSISTOR	1	<R>
Q9104		MSD601-R	TRANSISTOR	1	<R>
Q9105		XN4601	TRANSISTOR-TRANSISTOR	1	<R>
Q9107		MSD601-R	TRANSISTOR	1	<R>
Q9108-10		MSB709-R	TRANSISTOR	3	<R>
Q9118		MSD601-R	TRANSISTOR	1	<R>
Q9119		2SK198-R	TRANSISTOR	1	<R>
Q9134		MSD601-R	TRANSISTOR	1	<R>
Q9202		MSD601-R	TRANSISTOR	1	<R>
Q9207		MSD601-R	TRANSISTOR	1	<R>
Q9221		MSD601-R	TRANSISTOR	1	<R>
Q9319,20		MSC2295-B	TRANSISTOR	2	<R>
Q9321		MSD601-R	TRANSISTOR	1	<R>
Q9322		MSB709-R	TRANSISTOR	1	<R>
Q9324,25		MSD601-R	TRANSISTOR	2	<R>
Q9326		MSC2295-B	TRANSISTOR	1	<R>
Q9401		MSD601-R	TRANSISTOR	1	<R>
Q9691		MSB709-R	TRANSISTOR	1	<R>
QR9101		MRN1403	TRANSISTOR	1	<R>
QR9307		MRN1404	TRANSISTOR	1	<R>
QR9316		MRN1402	TRANSISTOR	1	<R>
R9001		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9003		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9004		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R9005		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R9006		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9023		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R9031,32		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R9035		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R9036,37		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R9038		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R9039		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R9040		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9041		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R9042		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R9043,44		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R9045		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R9046		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R9047		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R9048		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R9050		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R9054		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R9058		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R9069		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R9070		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R9071,72		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	2	
R9073		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R9074		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R9075		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R9076		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R9077,78		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	2	
R9079,80		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R9096		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9101,02		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	2	
R9103		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R9104		ERJ6GEYJ394	M.RESISTOR CH 1/10W 390K	1	
R9105		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R9106,07		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R9108,09		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R9110		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R9111		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9112		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R9113		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R9114		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R9115		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R9116		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R9117,18		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R9120		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9125		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9126		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R9128		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9131,32		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R9135		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R9136		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R9137		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9138		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R9139		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R9140		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9141		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R9142		VRE0034E272	M.RESISTOR CH 1/10W 2.7K	1	
R9143		VRE0034E102	M.RESISTOR CH 1/10W 1K	1	
R9144		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R9145		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9146		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R9147		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9148		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R9150		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R9151		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9155		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R9156		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9166		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9169		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R9170		VRE0034E561	M.RESISTOR CH 1/10W 560	1	
R9171		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R9172		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R9173		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R9174		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R9175		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R9176,77		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R9178		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R9179		ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R9180		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R9194		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R9196		VRE0034E241	M.RESISTOR CH 1/10W 240	1	
R9201		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9202		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9203		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9204		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R9205		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R9206		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R9207		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9208		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R9210		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9211		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R9212		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R9214		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R9215		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9218		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R9219		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R9220		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9221		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9222		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R9225		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R9226		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R9229		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R9232		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9234		VRE0034E751	M.RESISTOR CH 1/10W 750	1	
R9235		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R9236		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9237		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R9238		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R9240,41		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R9242		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R9243		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R9244		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R9246		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R9247		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R9250		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R9251		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R9252		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R9255		ERJ6GEYJ362	M.RESISTOR CH 1/10W 3.6K	1	
R9256		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R9260		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R9261		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9262		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R9266		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R9267		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R9271		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R9272		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R9276		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R9281		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R9282		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9283		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R9284		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R9285		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R9286		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R9287,88		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	2	
R9289,90		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R9301		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R9302,03		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R9304		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R9305		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R9306-08		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	3	
R9321		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9322		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9330		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9342		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R9343		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R9353		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9356		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9357		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R9359		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R9360		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R9361		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R9363		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R9364		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R9365		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R9366,67		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R9368		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9369		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R9370		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R9371		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9372		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R9377		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9378		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R9379		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R9388		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9389		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9391		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9401		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R9402		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9403		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R9404		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R9405		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R9406		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9407		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9409		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R9410		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9411,12		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R9413		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R9414		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9415		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9416		ERJ6GEYJ912	M.RESISTOR CH 1/10W 9.1K	1	
R9417		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R9418		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R9419		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R9420		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R9421,22		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R9423		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R9424		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9425		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R9426		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R9429		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R9454		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R9455		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R9456		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R9457		ERJ6GEYJ433	M.RESISTOR CH 1/10W 43K	1	
R9458		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R9459		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R9460		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R9602		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9604,05		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R9607		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R9608		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9610		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9612		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R9613		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R9614		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9615		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R9616		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R9617		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R9618		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9619		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R9620		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9623		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9625,26		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R9628		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9631		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9633		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9634		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R9636		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R9641		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9643		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R9644		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R9651		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9652		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R9653,54		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R9655		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9657		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R9658		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R9660		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9661		ERJ6GEYJ270	M.RESISTOR CH 1/10W 27	1	
R9663		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R9670		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9689		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R9691		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R9693		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9694		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R9695		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R9696		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R9697		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R9698		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R9699		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
VR9001		EVN32CA00B24	VARIABLE 20K	1	
VR9106		EVN32CA00B24	VARIABLE 20K	1	
VR9201		EVN32CA00B14	V.RESISTOR 10K	1	
VR9202		EVN32CA00B13	V.RESISTOR 1K	1	
VR9212		EVN32CA00B14	V.RESISTOR 10K	1	
VR9222		EVN32CA00B14	V.RESISTOR 10K	1	
VR9232		EVN32CA00B13	V.RESISTOR 1K	1	
VR9301,02		EVM7DGA00B53	V.RESISTOR 5K	2	
X9301		VSX0406	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E114		VSC2483	SHIELD CASE	1	
E115		VSC2485	SHIELD CASE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP03B44C	P.C.BOARD W/COMPONENT VIDEO YC		AG-8700E
C3001		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3003-06		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	4	
C3008,09		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3010		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3012		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3013		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3014		ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C3020-22		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3023		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3024		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3025		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C3026		ECUM1C154KBN	C.CAPACITOR CH 16V 0.15U	1	
C3027		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C3028,29		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	2	
C3030		ECEV1EN4R7Q	E.CAPACITOR 25V 4.7U	1	
C3032		ECUM1H221GCN	C.CAPACITOR CH 50V 220P	1	
C3033-35		ECUM1H271GCN	C.CAPACITOR CH 50V 270P	3	
C3038		ECQP1H561JZ	P.CAPACITOR 50V 560P	1	
C3039		ECUM1H820GCN	C.CAPACITOR CH 50V 82P	1	
C3040		ECQP1H911GZ	P.CAPACITOR 50V 910P	1	
C3042		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C3043		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3044		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3045		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3047		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3048		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3049		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3051-55		ECEV1CV100Q	E.CAPACITOR 16V 10U	5	
C3056-61		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	6	
C3062		ECEV0GV470Q	E.CAPACITOR 4V 47U	1	
C3063		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3064		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C3065		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3066,67		ECEV1CV220Q	E.CAPACITOR 16V 22U	2	
C3068,69		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C3070		ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C3072-76		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	5	
C3078		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3079		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3080-83		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	4	
C3084,85		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3086,87		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C3088		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3089		ECEV1EN4R7Q	E.CAPACITOR 25V 4.7U	1	
C3091,92		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3093		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3094,95		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C3096		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3097		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3100		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3101		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3102		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3112		ECUM1C154KBN	C.CAPACITOR CH 16V 0.15U	1	
C3202		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3203-05		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3206		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3207		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3208		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3209		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3210		ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C3211		ECUM1H120JUN	C.CAPACITOR 50V 12P	1	
C3212		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3213		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3214-16		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3217		ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	1	
C3218,19		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3220		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3221		ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3222		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3223		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C3224		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3225		ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C3226		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3227		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3228,29		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	2	
C3230		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3231		ECUM1H393KBN	C.CAPACITOR 50V 0.039U	1	
C3233		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3234		ECUM1H090DCN	C.CAPACITOR CH 50V 90P	1	
C3235		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3236		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3237		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3239,40		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3241-44		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	4	
C3245		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3246		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3247		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C3248		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3249		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3250-52		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	3	
C3253		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3254		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3255		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3256		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3257,58		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3259		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3261		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3263-65		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3266		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3267		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3268		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3269-71		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3273		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3274		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3275		ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3276		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3277		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3278		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3279		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3281		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3282		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3401		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3402-06		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	5	
C3407		ECUM1H090DCN	C.CAPACITOR CH 50V 90P	1	
C3408		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3409		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3410		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3411		ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3412		ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C3413-17		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	5	
C3418		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C3419		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3420		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3421		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3422		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3423		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3424		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3425		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3426,27		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3428		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3429		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3430		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3431,32		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3433		ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C3434		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3435,36		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3437-39		ECEV1CV100Q	E.CAPACITOR 16V 10U	3	
C3440		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3441		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3442		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3443		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3444		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3445-47		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3448		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3449,50		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C3451		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3452		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3453-55		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3456		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3457		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3459		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3460		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3461		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3462		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3463		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3464		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3465		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3466,67		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C3468		ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C3469		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3470		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3471		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3472		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3473		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3474		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3475,76		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3477		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3478		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3479		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3480-83		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	4	
C3484,85		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C3486		ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C3487		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3488-92		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	5	
C3493		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3497-99		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3500		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3501		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3502		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3503		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3504,05		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3507-09		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3510		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3511,12		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3513		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3514		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3515		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3516		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3517		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3520-22		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C3523		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3524		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C3525		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3527		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3528		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3529,30		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	2	
C3531		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3601		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3602		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3603		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3604		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
D3001		MA3091-M	DIODE	1	<R>
D3002,03		MA151K	DIODE	2	<R>
D3005-07		MA151K	DIODE	3	<R>
D3202		MA151WA	DIODE	1	<R>
D3203-05		MA151K	DIODE	3	<R>
D3206		MA151WA	DIODE	1	<R>
D3208		MA151K	DIODE	1	<R>
D3402		MA3091-M	DIODE	1	<R>
D3403		MA28W-B	DIODE	1	<R>
D3501		MA151K	DIODE	1	<R>
D3502		MA151WA	DIODE	1	<R>
D3503		MA151K	DIODE	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
DL3201		VLD0272	DELAY	1	
FL3003		VLF1129	FILTER	1	
FL3005		VLF1127	FILTER	1	
FL3006		VLF1128	FILTER	1	
FL3201		VLF1134	FILTER	1	
FL3202		VLF1133	FILTER	1	
FL3203		VLD0147	DELAY LINE	1	
FL3204		VLF1130	FILTER	1	
FL3205		VLF1131	FILTER	1	
FL3401		VLF1131	FILTER	1	
FL3402		VLD0089	DELAY LINE	1	
FL3403,04		VLF1129	FILTER	2	
FL3405,06		VLF1133	FILTER	2	
FL3501		VLF1132	FILTER	1	
IC3001		TC7S04F	IC	1	<R>
IC3002		AN3293S	IC	1	<R>
IC3003		MSM6871RS	IC	1	<R>
IC3004		AN3255FAP	IC	1	<R>
IC3006-08		NJM2233BMA	IC	3	<R>
IC3009		TC4W53F	IC	1	<R>
IC3011		AN78N05	IC	1	<R>
IC3012		NJM78L05UA	IC	1	<R>
IC3201		M52056FP	IC	1	<R>
IC3205-07		TC7S04F	IC	3	<R>
IC3208,09		TC7S66F	IC	2	<R>
IC3210		TC7S04F	IC	1	<R>
IC3211		MC74HC4053F	IC	1	<R>
IC3212		TK16031M	IC	1	<R>
IC3213		MC14577CP	IC	1	<R>
IC3214,15		NJM78L05UA	IC	2	<R>
IC3401		NJM2233BMA	IC	1	<R>
IC3402		AN3495S	IC	1	<R>
IC3403,04		MSM6871RS	IC	2	<R>
IC3406		M52093SP	IC	1	<R>
IC3407		SN74LS221NS	IC	1	<R>
IC3408		MC14577CP	IC	1	<R>
IC3409		NJM2234MA	IC	1	<R>
IC3410		AN78N05	IC	1	<R>
IC3411		VCR0373	IC	1	<R>
IC3412		NJM2233BMA	IC	1	<R>
IC3501		AN614	IC	1	<R>
IC3502		MC74HC4053F	IC	1	<R>
IC3503		TA75W555FU	IC	1	<R>
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IC3506		MC14538BF	IC	1	<R>
IC3507		MC14013BF	IC	1	<R>
IC3508		MC14040BF	IC	1	<R>
IC3509		MC14538BF	IC	1	<R>
IC3510		TC4S30F	IC	1	<R>
IC3511		MC14013BF	IC	1	<R>
IC3512		TC4S30F	IC	1	<R>
L3001		VLQ0163J390	COIL 39UH	1	
L3002		VLQ0319K101	COIL 100UH	1	
L3004		VLQ0319K101	COIL 100UH	1	
L3005		VLP0083	COIL	1	
L3007,08		VLQ0319K101	COIL 100UH	2	
L3011		VLQ0163J151	COIL 150UH	1	
L3201		VLQ0163J470	COIL 47UH	1	
L3202,03		VLQ0163J820	COIL 82UH	2	
L3204		VLQ0163J330	COIL 33UH	1	
L3206		VLQ0319K101	COIL 100UH	1	
L3207		VLQ0163J330	COIL 33UH	1	
L3208		VLQ0163J150	COIL 15UH	1	
L3209-11		VLQ0319K101	COIL 100UH	3	
L3401		VLQ0319K101	COIL 100UH	1	
L3402		VLP0083	COIL	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L3403		VLQ0163J680	COIL 68UH	1	
L3404		VLQ0163J151	COIL 150UH	1	
L3405-07		VLQ0319K101	COIL 100UH	3	
L3409,10		VLQ0163J150	COIL 15UH	2	
L3411-13		VLQ0319K101	COIL 100UH	3	
L3415,16		VLQ0163J6R8	COIL 6.8UH	2	
L3501-03		VLQ0319K101	COIL 100UH	3	
L3504		VLQ0163J390	COIL 39UH	1	
P3601,02		VJS2848D018	CONNECTOR (FEMALE) 18P	2	
P3603		VJP1233T	CONNECTOR (MALE) 6P	1	
P3632		VJP3176B064	CONNECTOR (MALE) 64P	1	
Q3002		MSD601-R	TRANSISTOR	1	<R>
Q3003-05		MSC2295-B	TRANSISTOR	3	<R>
Q3006		MSD601-R	TRANSISTOR	1	<R>
Q3007		MSB709-R	TRANSISTOR	1	<R>
Q3008,09		XN4501	TRANSISTOR-RESISTOR	2	<R>
Q3010,11		2SA1022-C	TRANSISTOR	2	<R>
Q3012		MSD601-R	TRANSISTOR	1	<R>
Q3013		MSB709-R	TRANSISTOR	1	<R>
Q3014		MSD601-R	TRANSISTOR	1	<R>
Q3015		MSB709-R	TRANSISTOR	1	<R>
Q3016		MSD601-R	TRANSISTOR	1	<R>
Q3201,02		MSB709-R	TRANSISTOR	2	<R>
Q3203-07		MSD601-R	TRANSISTOR	5	<R>
Q3208,09		MSC2295-B	TRANSISTOR	2	<R>
Q3210		MSB709-R	TRANSISTOR	1	<R>
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QR3001		MRN1404	TRANSISTOR	1	<R>
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QR3201,02		MRN1403	TRANSISTOR	2	<R>
QR3203		MRN1404	TRANSISTOR	1	<R>
QR3206,07		MRN1404	TRANSISTOR	2	<R>
QR3402,03		MRN1404	TRANSISTOR	2	<R>
QR3500		MRN1403	TRANSISTOR	1	<R>
R3001		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3002-09		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	8	
R3010-12		VRE0034E102	M.RESISTOR CH 1/10W 1K	3	
R3013		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3014		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R3015		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3016		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3017		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3018		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3019		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3020,21		VRE0034E152	M.RESISTOR CH 1/10W 1.5K	2	
R3022		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3023		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3024		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R3026		ERJ6GEYJ225	M.RESISTOR CH 1/10W 2.2M	1	
R3027,28		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3029		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3030		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3032		VRE0034E241	M.RESISTOR CH 1/10W 240	1	
R3033		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3034		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3035,36		VRE0034E332	M.RESISTOR CH 1/10W 3.3K	2	
R3037		VRE0034E471	M.RESISTOR CH 1/10W 470	1	
R3039		VRE0034E471	M.RESISTOR CH 1/10W 470	1	
R3040,41		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R3042		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3043		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3044		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3045		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3047		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3048		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3050		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3051		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3052		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3053		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3054		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3055		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3056		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3057		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3058		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3061		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3062		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3063,64		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R3066		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3069		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3070		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3071,72		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R3073		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3074		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3075		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3077		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3078		VRE0034E392	M.RESISTOR CH 1/10W 3.9K	1	
R3079		VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3080		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3081		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3082		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3083		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3084		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3085		VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3086		VRE0034E153	M.RESISTOR CH 1/10W 15K	1	
R3087		VRE0034E223	M.RESISTOR CH 1/10W 22K	1	
R3088,89		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	2	
R3090		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3091		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3092		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3093-95		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	3	
R3096		ERJ6GEYJ621	M.RESISTOR CH 1/10W 620	1	
R3097		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3098		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3099		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3102		VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3103		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R3104		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3105		VRE0034E183	M.RESISTOR CH 1/10W 18K	1	
R3107		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3113		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3114		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3115		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3201,02		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R3203		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3205		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3206		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3208		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3209,10		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3211		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3212		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3214,15		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3216		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3218		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3219		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3220		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3221		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3222		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3223		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3224		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3225		ERJ6GEYJ512	M.RESISTOR CH 1/10W 5.1K	1	
R3226		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3227,28		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3229		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3230		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3231,32		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3233		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3234,35		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3236-39		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	4	
R3240		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3241,42		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3243		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3244		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3245,46		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	2	
R3247		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3249		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3250		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3251		ERJ6GEYJ220	M.RESISTOR CH 1/10W 22	1	
R3252		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3253		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3254		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3255,56		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3262,63		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3264		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3265		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3266		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3267		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3268		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3269,70		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3271,72		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	2	
R3273		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3274,75		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	2	
R3276		ERJ6GEYJ511	M.RESISTOR CH 1/10W 510	1	
R3277		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3278		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3279,80		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3281		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3282		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3284		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3285		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3286		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3287,88		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3289		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3290		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3291		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3292,93		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3295		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3297		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3298		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3299,00		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3301		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3302		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3400		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3401		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3402		ERDS2T0	C.RESISTOR 1/4W 0	1	
R3403,04		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3405		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3407		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3408		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3409		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3410		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3411		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3412		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3413		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3414		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3415		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3416		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3417		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3418		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3419		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3420		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3421		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3422		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3423		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3424		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3425		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3426-28		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3429		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3430		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3431		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3432		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3433		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3434		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3435-37		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	3	
R3438		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3439		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3440		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3441		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3445,46		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3449		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3450,51		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3452		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3455		ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	1	
R3457,58		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R3460		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R3461		ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	1	
R3462		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3463		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3465		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3467		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3468		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3470		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3471		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3472		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3473		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3474		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3475		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3476		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3477-79		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3484		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3485		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3486		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3487		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3488		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3489		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3490		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3491		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3492,93		VRE0034E681	M.RESISTOR CH 1/10W 680	2	
R3494		VRE0034E122	M.RESISTOR CH 1/10W 1.2K	1	
R3495		VRE0034E201	M.RESISTOR CH 1/10W 200	1	
R3496		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3498,99		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R3501		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3502		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3503		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3504		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3506		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3507		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3508		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3509		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3510		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3511,12		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3513		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3514		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3515		ERJ6GEYJ912	M.RESISTOR CH 1/10W 9.1K	1	
R3516		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3517		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3518		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3519		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3520,21		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3529		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3530		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3531		ERJ6GEYJ433	M.RESISTOR CH 1/10W 43K	1	
R3532		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3533		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3534		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R3536		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3537		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3538		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3540		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3541		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3542		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3543		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3544		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3545,46		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3547		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3548		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3549		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3550		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3551		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3601		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3602		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3603		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3604		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3605		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3606		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3607		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3608		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3609		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3611		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3612		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3614		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3615		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3616		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
TH3401-03		ERTD2FHL102S	THERMISTOR 1K	3	
VC3201		ECV1ZW60X60	TRIMMER	1	
VC3202		ECV1ZW20X60	V.CAPACITOR 20P	1	
VR3001,02		EVN32CA00B53	V.RESISTOR 5K	2	
VR3003		EVM7JGA00B13	V.RESISTOR 1K	1	
VR3004,05		EVN32CA00B53	V.RESISTOR 5K	2	
VR3006		EVM7DGA00B52	V.RESISTOR 500	1	
VR3007		EVM7DGA00B53	V.RESISTOR 5K	1	
VR3201,02		EVN32CA00B15	V.RESISTOR 100K	2	
VR3203		EVN32CA00B24	VARIABLE 20K	1	
VR3206		EVM7DGA00B14	V.RESISTOR 10K	1	
VR3207		EVM7DGA00B24	V.RESISTOR 20K	1	
VR3401-03		EVM7JGA00B13	V.RESISTOR 1K	3	
VR3404		EVN32CA00B13	V.RESISTOR 1K	1	
VR3405		EVM7DGA00B13	V.RESISTOR 1K	1	
VR3406		EVM7DGA00B54	V.RESISTOR 50K	1	
VR3407		EVM7DGA00B23	V.RESISTOR 2K	1	
VR3408		EVM7DGA00B54	V.RESISTOR 50K	1	
VR3410		EVN32CA00B54	V.RESISTOR 50K	1	
X3201		VSX0406	CRYSTAL OSCILLATOR	1	<R>
X3401		VSX0316	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E48		VMZ2228	INSULATER	1	
E49		VSC3973	SHIELD PLATE	1	
E50		XTV3+6FFR	SCREW	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP04328A	P.C.BOARD W/COMPONENT		AG-8700E
			AUDIO METER		
D4201-06		LN440YCPUVT1	DIODE	6	<R>
D4207,08		MA165VT	DIODE	2	<R>
P4201		VJP3081	CONNECTOR (MALE)	1	
R4201,02		ERDS2TJ151	C.RESISTOR 1/4W 150	2	
R4203		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R4204		ERDS2TJ272	C.RESISTOR 1/4W 2.7K	1	
R4205		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R4206		ERDS2TJ272	C.RESISTOR 1/4W 2.7K	1	
R4207,08		EROS2CKG5100	M.RESISTOR 1/4W 510	2	
R4209,10		ERDS2TJ151	C.RESISTOR 1/4W 150	2	
VR4201-04		EVJ9MA040B14	V.RESISTOR	4	
			MISCELLANEOUS		
E54		VMP3282	METER ANGLE	1	
E55		VGF0245	METER HOLDER	2	
E56		VSE0117	METER	1	
E57		VSE0115	AUDIO METER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP04418C	P.C.BOARD W/COMPONENT		AG-8700E
			FRONT JACK		
C4901,02		ECKF1H101KB	C.CAPACITOR 50V 100P	2	
C4910		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
D4901		MA165VT	DIODE	1	<R>
J4901		VJJ0378	M6 JACK	1	
L4901,02		VLQEL05S101J	COIL 100UH	2	
P4901		VJP3529	CONNECTOR	1	
P4902		VJP3076	CONNECTOR	1	
R4901		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R4902		ERDS2TJ822	C.RESISTOR 1/4W 8.2K	1	
VR4901		EVUNCAF15B23	V.RESISTOR	1	
VR4902		EVU55AF15B15	V.RESISTOR	1	
VR4903		EVU023015B14	V.RESISTOR	1	
			MISCELLANEOUS		
E59		VMP4231	JACK ANGLE	1	
E60		VGU6484	BUTTON	4	
E61		VMP4434	FRONT JACK ANGLE (2)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP04418D	P.C.BOARD W/COMPONENT		AG-8600E
			FRONT JACK		
C4901,02		ECKF1H101KB	C.CAPACITOR 50V 100P	2	
C4910		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
J4901		VJJ0378	M6 JACK	1	
L4901,02		VLQEL05S101J	COIL 100UH	2	
P4901		VJP3529	CONNECTOR	1	
P4902		VJP3076	CONNECTOR	1	
VR4901		EVUNCAF15B23	V.RESISTOR	1	
VR4902		EVU55AF15B15	V.RESISTOR	1	
			MISCELLANEOUS		
E59		VMP4231	JACK ANGLE	1	
E60		VGU6484	BUTTON	3	
E61		VMP4434	FRONT JACK ANGLE (2)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP01609B	P.C.BOARD W/COMPONENT		
		POWER		
C1001,02	VCK0260M332	P.CAPACITOR 50V 3300P	2	<!>
C1003	ECQU2A224MN	P.CAPACITOR 250V 0.22U	1	<!>
C1004,05	VCK0260M102	P.CAPACITOR 50V	2	<!>
C1008	ECEC2GA221C	E.CAPACITOR 400V 220U	1	
C1009	ECA1CFZ221L	E.CAPACITOR 16V 220U	1	
C1011	ECA1HFZ470	E.CAPACITOR 50V 47U	1	
C1012	ECQB1H681JF	P.CAPACITOR 50V 680P	1	
C1013	ECQE6473MZ	P.CAPACITOR 630V 0.047U	1	
C1014	VCK0106K331	P.CAPACITOR 50V 330P	1	
C1015	ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C1016	ECQB1H123JF	P.CAPACITOR 50V 0.012U	1	
C1017	ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C1019	ECA1HXLV2R2	E.CAPACITOR 50V 2.2U	1	
C1025	ECEA1JFE560	E.CAPACITOR 63V 56U	1	
C1026	ECA1VFQ681	E.CAPACITOR 35V 680U	1	
C1027	ECA1EFZ122	E.CAPACITOR 25V 1200U	1	
C1028,29	ECA1AFZ222	E.CAPACITOR 10V 2200U	2	
C1030	ECA1CFZ821	E.CAPACITOR 16V 820U	1	
C1031	ECA1EFZ331	E.CAPACITOR 25V 330U	1	
C1032	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C1033	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C1034	ECA1CXLV470	E.CAPACITOR 16V 47U	1	
C1035	ECA1CFQ152	E.CAPACITOR 16V 1500U	1	
C1036	ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C1037-39	ECCD2H101J	C.CAPACITOR 500V 100P	3	
D1001	D3SBA60	DIODE	1	<R><!>
D1002	RD62E	DIODE	1	<R>
D1003	ERA22-02	DIODE	1	<R>
D1004	MA723	DIODE	1	<R>
D1005	MA185	DIODE	1	<R>
D1006	MA165VT	DIODE	1	<R>
D1007	MA185	DIODE	1	<R>
D1008	MA4100M	DIODE	1	<R>
D1009	MA178	DIODE	1	<R>
D1010	AP01C	DIODE	1	<R>
D1011,12	RD91E	DIODE	2	<R>
D1014	8P4SMA	DIODE	1	<R>
D1015	RD62E	DIODE	1	<R>
D1016	VSD0001	DIODE	1	<R>
D1017,18	FMLG12SP	DIODE	2	<R>
D1019	FMB-24H	DIODE	1	<R>
D1020	31DQ04	DIODE	1	<R>
D1021	RL2ZP	DIODE	1	<R>
F1001	XBA2C31TH15	FUSE	1	<!>
IC1001	STRS6708LF	IC	1	<R><!>
IC1002	TL431CLP	IC	1	<R>
IC1003	M51953BL	IC	1	<R>
L1001	ELF18D606F	COIL	1	<!>
L1006	VLQ0354	COIL	1	
L1007	VLQ0410	COIL	1	
L1008	VLQ0605	COIL	1	
L1009	VLQ0410	COIL	1	
P1001	VJP2639	CONNECTOR	1	
P1002	VJP1153	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P1003	VJP3088	CONNECTOR	1	
Q1001-03	2SD636	TRANSISTOR	3	<R>
Q1004	PS2561L1V1WL	TRANSISTOR-PHOTO COUPLER	1	<R><!>
Q1006	2SD1474	TRANSISTOR	1	<R>
QR1001	UN1114	TRANSISTOR-RESISTOR	1	<R>
QR1002	UN1214	TRANSISTOR-RESISTOR	1	<R>
R1001	VSF0078	F.RESISTOR	1	<!>
R1002-05	ERDS2FJ683	C.RESISTOR 1/4W 68K	4	
R1006	ERDS2FJ2R7	C.RESISTOR 1/4W 2.7	1	
R1007	ERDS2FJ270	C.RESISTOR 1/4W 27	1	
R1009	ERDS2FJ1R5	C.RESISTOR 1/4W 1.5	1	
R1010	ERX2SJR43	M.RESISTOR 2W 0.43	1	
R1011	ERDS2FJ562	C.RESISTOR 1/4W 5.6K	1	
R1012	ERDS2FJ822	C.RESISTOR 1/4W 8.2K	1	
R1013	ERDS2FJ471	C.RESISTOR 1/4W 470	1	
R1014	ERDS2FJ331	C.RESISTOR 1/4W 330	1	
R1015	ERDS2FJ104	C.RESISTOR 1/4W 100K	1	
R1016	ERDS2FJ103	C.RESISTOR 1/4W 10K	1	
R1017	ERDS2FJ104	C.RESISTOR 1/4W 100K	1	
R1018	ERDS2FJ473	C.RESISTOR 1/4W 47K	1	
R1019,20	ERDS2FJ224	C.RESISTOR 1/4W 220K	2	
R1021	ERG3SJ683	M.RESISTOR 3W 68K	1	
R1022	ERG1SJ561	M.RESISTOR 1W 560	1	
R1023	ERDS2FJ562	C.RESISTOR 1/4W 5.6K	1	
R1024	ERDS2FJ334	C.RESISTOR 1/4W 330K	1	
R1025	ERDS2T0	C.RESISTOR 1/4W 0	1	
R1027,28	ERDS2FJ683	C.RESISTOR 1/4W 68K	2	
R1031	ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R1032	ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1033	ERDS2T0	C.RESISTOR 1/4W 0	1	
R1034	EROS2CKF2701	M.RESISTOR 1/4W	1	
R1035	EROS2CKF2201	M.RESISTOR 1/4W 2.2K	1	
R1036	EROS2CKG6202	M.RESISTOR 1/4W 62K	1	
R1038	ERX3SJR82	M.RESISTOR 3W 0.82	1	
T1001	VLT0739	TRANSFORMER	1	<!>
		MISCELLANEOUS		
E35	VJF0318	FUSE HOLDER	2	<!>
E36	VMZ0429	FUSE COVER	1	<!>
E37	VMZ0965	CAPACITOR COVER	2	<!>
E44	VMZ1798	BARRIER	1	<!>
E45	VMZ1608	CAPACITOR COVER	2	<!>
E51	VSC3434	SHIELD CASE	1	
E52	XYN3+F8	SCREW	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP00V07C	P.C.BOARD W/COMPONENT		AG-8700E
			MOTHER		
P910		VJP1147	CONNECTOR (MALE) 12P	1	
P921-23		VJP3203A020Z	CONNECTOR (MALE) 20P	3	
P931		VJS2898A100	CONNECTOR	1	
P932		VJS2898A064	CONNECTOR (FEMALE) 64P	1	
P933-35		VJS2898A100	CONNECTOR	3	
P941,42		VJS2898A064	CONNECTOR (FEMALE) 64P	2	
P961-64		VJS3152	CONNECTOR (FEMALE)	4	
P971-74		VJS3490A13	CONNECTOR	4	
			MISCELLANEOUS		
E38		VMP4222	CONNECTOR ANGLE (1)	1	
E39		VMP4223	CONNECTOR ANGLE (2)	1	
E42		VJF0456	BINDER	2	
E41		XYE3+EF8FZ	SCREW	17	
		VMT0076	RUBBER CUSHION	4	
E40		XTV26+8J	SCREW	14	
		VEP00V07D	P.C.BOARD W/COMPONENT		AG-8600E
			MOTHER		
P910		VJP1147	CONNECTOR (MALE) 12P	1	
P921-23		VJP3203A020Z	CONNECTOR (MALE) 20P	3	
P931		VJS2898A100	CONNECTOR	1	
P932		VJS2898A064	CONNECTOR (FEMALE) 64P	1	
P933-35		VJS2898A100	CONNECTOR	3	
P941,42		VJS2898A064	CONNECTOR (FEMALE) 64P	2	
P961-64		VJS3152	CONNECTOR (FEMALE)	4	
P971-74		VJS3490A13	CONNECTOR	4	
			MISCELLANEOUS		
E38		VMP4222	CONNECTOR ANGLE (1)	1	
E39		VMP4223	CONNECTOR ANGLE (2)	1	
E42		VJF0456	BINDER	2	
E41		XYE3+EF8FZ	SCREW	17	
		VMT0076	RUBBER CUSHION	4	
E40		XTV26+8J	SCREW	14	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP01478C	P.C.BOARD W/COMPONENT		
			POWER CONNECT		
C1101,02		ECQU2A224MN	P.CAPACITOR 250V 0.22U	2	<!>
L1101		ELF18D605	COIL	1	<!>
P1101		VJP2638	CONNECTOR (MALE)	1	<!>
P1102		VJS2985	CONNECTOR	1	<!>
R1101		ERC12GM334	S.RESISTOR 1/2W 330K	1	<!>
			MISCELLANEOUS		
E46		VMZ1305	CAPACITOR COVER	2	<!>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP02417B	P.C.BOARD W/COMPONENT		
			REEL DRIVE		
C2701		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2702		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2703		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2704		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2705		ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C2706-08		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2709-12		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2713		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2714		ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C2715-17		ECEA0JKA470	E.CAPACITOR 6.3V 47U	3	
C2718		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2719		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2720		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2721		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2722		ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C2723-25		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2726-29		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
D2701		MA151K	DIODE	1	<R>
D2702		MA151WK	DIODE	1	<R>
D2703		MA151K	DIODE	1	<R>
D2704		MA153	DIODE	1	<R>
D2705		MA151K	DIODE	1	<R>
D2706		MA151WK	DIODE	1	<R>
D2707		MA151K	DIODE	1	<R>
D2708		MA153	DIODE	1	<R>
IC2701,02		XRA6435S	IC	2	<R>
IC2703		LM358PS	IC	1	<R>
IC2704		MC14053BF	IC	1	<R>
IC2705		LM339NS	IC	1	<R>
IC2706		LM358PS	IC	1	<R>
J2701		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L2701-04		VLQ0460	COIL	4	
P2701		VJS3135	CONNECTOR (FEMALE)	1	
P2702		VJS2149W	CONNECTOR (FEMALE)	1	
P2703		VJS3202B008	CONNECTOR (FEMALE) 8P	1	
P2704,05		VJS1412	CONNECTOR (FEMALE)	2	
Q2701		MSD601-R	TRANSISTOR	1	<R>
QR2701		MRN1404	TRANSISTOR	1	<R>
R2701		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R2702		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2703		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2704		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2705		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R2706		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2707,08		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2709		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2710		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R2711		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2712		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2713,14		ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R2715		ERX12SJ1R0	M.RESISTOR CH 1/2W 1	1	
R2716		ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R2717		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2718		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2719		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R2720		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R2721		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2722,23		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R2724		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2725,26		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R2727		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R2728		ERJ6GEYJ823	M.RESISTOR CH 1/10W 82K	1	
R2729		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2730		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2731		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R2732		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2733		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2734,35		ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R2736		ERX12SJR47	M.RESISTOR CH 1/2W 0.47	1	
R2737		ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R2738		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2739		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R2740		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2741,42		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R2743		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
			MISCELLANEOUS		
E47		VMX2183	SPACER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP03B43C	P.C.BOARD W/COMPONENT		AG-8700E
			VIDEO I/O		
C3001-03		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3004		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C3005		ECEV1HVR47Q	E.CAPACITOR 50V 0.47U	1	
C3006		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3007		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3008		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3009		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3010		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3011		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C3012		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3013		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3014		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3015		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3016		ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	1	
C3017		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3018-20		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3021		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3022-24		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3025		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3026		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3027		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3028-30		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3032,33		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C3034		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3035		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3037		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C3038		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3039,40		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3041		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3042		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3043		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3044		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3045-48		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C3049		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3050,51		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3052		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C3053		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3080,81		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3083		ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C3085		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3086		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3087		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3088		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3102		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3103		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C3105,06		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C3107		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3108		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3109,10		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3111		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3112-14		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3115-20		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C3121		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3122,23		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	2	
C3124		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3125-27		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C3129-32		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	4	
C3133		ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C3135,36		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3138		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3139		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3140		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3141		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3201		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3202		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3203		ECHU1C392GB	P.CAPACITOR 16V 3900P	1	
C3204		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C3205		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C3206		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3207		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3208		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3209		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3210		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3211		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3212		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3213		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3214,15		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3216		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3217,18		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3220		ECEV0GV101Q	E.CAPACITOR 4V 100U	1	
C3221		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3223		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C3224		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3225		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3226,27		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C3228		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3229,30		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C3231		ECEV0JV330Q	E.CAPACITOR 6.3V 33U	1	
C3232		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3233		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3234,35		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C3237		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3238		ECEV1EN4R7Q	E.CAPACITOR 25V 4.7U	1	
C3239-41		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	3	
C3242		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3244,45		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	2	
C3246		ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3247		ECEV1HVR47Q	E.CAPACITOR 50V 0.47U	1	
C3248		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3251		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C3253,54		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C3255		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3256-58		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	3	
C3259		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3260		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3261		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3262		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3263		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3268		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3269		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3297		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3298		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3299		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3305		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3306-18		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	13	
C3319-23		ECUM1H104ZFN	C.CAPACITOR 50V 0.1U	5	
C3325		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3326		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3327		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3328		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3329		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3330		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C3331		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C3332		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C3334		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3336		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3337		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3338-41		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	4	
C3342		ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	1	
C3343		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3344		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3345,46		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3347		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3401		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3402		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3404-06		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3443-46		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C3447,48		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C3449-65		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	17	
C3466		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3467		ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3468-71		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	4	
C3472		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3473		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3474		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C3475		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3476		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3478		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3479		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3501		ECEV0JV101Q	E.CAPACITOR 6.3V 100U	1	
C3502		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3503		ECEV0GV101Q	E.CAPACITOR 4V 100U	1	
C3504		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3505		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3506		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3507		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3508		ECEV0GV101Q	E.CAPACITOR 4V 100U	1	
C3602		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3603		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3604		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3605		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
D3001-03		MA151K	DIODE	3	<R>
D3201,02		1SS283	DIODE	2	<R>
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D3411		MA151K	DIODE	1	<R>
D3501		11EQS04	DIODE	1	<R>
FL3001		ELB4R031	FILTER	1	
FL3101		VLF1050	FILTER	1	
FL3102,03		VLF1155	FILTER	2	
FL3201		VLF1045	FILTER	1	
FL3202		VLF1156	FILTER	1	
FL3203		VLF1157	FILTER	1	
FL3204		VLF1156	FILTER	1	
FL3205		VLF1157	FILTER	1	
FL3301		ELB4H068	FILTER	1	
FL3401		VLF0526	FILTER	1	
FL3402-04		VLF0523	FILTER	3	
FL3405		VLF0526	FILTER	1	
FL3406		VLF1156	FILTER	1	
FL3407		VLF1157	FILTER	1	
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L3002		VLQ0163J390	COIL 39UH	1	
L3003		VLQ0163J330	COIL 33UH	1	
L3006		VLQ0163J270	COIL 27UH	1	
L3007,08		VLQ0163J330	COIL 33UH	2	
L3009		VLQ0163J100	COIL 10UH	1	
L3010		VLQ0163J120	COIL 12UH	1	
L3011		VLQ0163J180	COIL 18UH	1	
L3012,13		VLQ0163J100	COIL 10UH	2	
L3014		VLQ0163J101	COIL 100UH	1	
L3015-17		VLQ0319K101	COIL 100UH	3	
L3018		VLQ0133J271	COIL 270UH	1	
L3019		VLQ0163J101	COIL 100UH	1	
L3020		VLQ0133J821	COIL 820UH	1	
L3021		VLQ0163J151	COIL 150UH	1	
L3022		VLQ0163J390	COIL 39UH	1	
L3023		VLQ0163J820	COIL 82UH	1	
L3101		VLQ0133J331	COIL 330UH	1	
L3102		VLQ0133J561	COIL 560UH	1	
L3103		VLQ0133J391	COIL 390UH	1	
L3104		VLQ0133J561	COIL 560UH	1	
L3105		VLQ0133J102	COIL 1000UH	1	
L3107		VLQ0163J151	COIL 150UH	1	
L3108		VLQ0163J220	COIL 22UH	1	
L3109,10		VLQ0163J330	COIL 33UH	2	
L3111,12		VLQ0319K101	COIL 100UH	2	
L3113		VLQ0133J681	COIL 680UH	1	
L3114		VLQ0163J150	COIL 15UH	1	
L3203		VLQ0133J271	COIL 270UH	1	
L3205-08		VLQ0319K101	COIL 100UH	4	
L3211		VLQ0163J560	COIL 56UH	1	
L3212		VLQ0163J270	COIL 27UH	1	
L3225		VLQ0319K101	COIL 100UH	1	
L3307		VLQ0163J820	COIL 82UH	1	
L3308		VLQ0163J151	COIL 150UH	1	
L3311		VLQ0163J101	COIL 100UH	1	
L3312,13		VLQ0163J221	COIL 220UH	2	
L3314		VLQ0163J4R7	COIL 4.7UH	1	
L3315		VLQ0163J6R8	COIL 6.8UH	1	
L3316-19		VLQ0319K101	COIL 100UH	4	
L3320		VLQ0163J6R8	COIL 6.8UH	1	
L3321		VLQ0163J151	COIL 150UH	1	
L3401-05		VLQ0319K101	COIL 100UH	5	
P3002		VJP3080	CONNECTOR (MALE)	1	
P3931		VJP3176B100	CONNECTOR	1	
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Q3002		2SD1328-S	TRANSISTOR	1	<R>
Q3003		2SB643	TRANSISTOR	1	<R>
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Q3005		2SK374-R	TRANSISTOR	1	<R>
Q3006,07		MSD601-R	TRANSISTOR	2	<R>
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Q3010		MSB709-R	TRANSISTOR	1	<R>
Q3011		MSC2295-B	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
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Q3104,05		MSC2295-B	TRANSISTOR	2	<R>
Q3106		MSB709-R	TRANSISTOR	1	<R>
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Q3117,18		MSD601-R	TRANSISTOR	2	<R>
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Q3120		MSD601-R	TRANSISTOR	1	<R>
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QR3001		MRN2404	TRANSISTOR	1	<R>
QR3002		DTC363EK	TRANSISTOR-RESISTOR	1	<R>
QR3003,04		MRN1404	TRANSISTOR	2	<R>
QR3005		MRN2404	TRANSISTOR	1	<R>
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QR3009		MRN2404	TRANSISTOR	1	<R>
QR3010,11		MRN1404	TRANSISTOR	2	<R>
QR3102		MRN2404	TRANSISTOR	1	<R>
QR3201,02		MRN1404	TRANSISTOR	2	<R>
QR3401		XN4501	TRANSISTOR-RESISTOR	1	<R>
QR3601		MRN1404	TRANSISTOR	1	<R>
R3001		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3002		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3003		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3004		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3005		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3006		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3007,08		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R3009		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3010,11		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3012		ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R3013		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3015		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3016		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3018		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3019		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3020		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3021		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3022		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3023		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3025		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3026		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3027		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3029		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3030		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3031-33		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3034		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3036		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3037		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3038		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3039		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3040		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3041		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3042		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3044-46		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3047		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R3048		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3049,50		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	2	
R3051		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3052		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3053		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3054		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3055		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3056		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3057		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3058,59		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3060		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3061		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3065		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3067,68		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3069		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3070		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3071		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3072		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3073		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3074		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3075		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3077		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3079		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3080		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3081		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3082		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3083		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3084		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3085		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3086		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3089		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3090		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3104-14		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	11	
R3115		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3116,17		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3118		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R3119-28		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	10	
R3129		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3130		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3131,32		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3133,34		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3135		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3136-39		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	4	
R3140		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3141,42		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	2	
R3143		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3144		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3145		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R3146		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3147		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3149,50		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	2	
R3151		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3152		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3153		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3154		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3156		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3157,58		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R3159		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3200		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3201		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3203-05		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3206		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3207		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3208		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3209		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3210		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3211		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3212		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3213		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3214-16		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3217		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3218		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3219		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3220		ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R3221-23		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3224		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3225		ERJ6GEYJ113	M.RESISTOR CH 1/10W 11K	1	
R3226		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3227		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3228		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3229		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3230		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3231		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3232		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3233		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3234		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3235		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3236,37		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	2	
R3238		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3239		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R3240		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3241		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3242		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3243		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3244		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3245		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3246		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3247-50		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	4	
R3251		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3252		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3253		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3254		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3255		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3256		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3257,58		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R3259		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3260		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3261		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3262		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3263		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3264		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R3265		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3266		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3267		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3268		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3269		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3270		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3271		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3272		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3273		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R3274		ERJ6GEYJ753	M.RESISTOR CH 1/10W 75K	1	
R3275		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3276		VRE0034E473	M.RESISTOR CH 1/10W 47K	1	
R3277		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3278		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3279,80		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	2	
R3281,82		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3283		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3284		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3285		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3286		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3287		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3288		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3289		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3290		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3291		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3292		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R3293		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3294		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3295		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3296		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3297		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3298,99		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R3300		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3302		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3305		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3306		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3308		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3309,10		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3311		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3312-16		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	5	
R3317		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3318		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3319		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3320		ERJ6GEYJ621	M.RESISTOR CH 1/10W 620	1	
R3321		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3322		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3323		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3324		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3325,26		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	2	
R3327-33		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	7	
R3334,35		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3336		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3337,38		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R3339		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3340		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3341		ERJ6GEYJ511	M.RESISTOR CH 1/10W 510	1	
R3342		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R3343		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3344		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3345,46		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	2	
R3347,48		ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	2	
R3349		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3351		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3352		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3353		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3354		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3355		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3357		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3358		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3359		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3360		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3361		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3403		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3405-08		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	4	
R3409		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3411,12		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3413-16		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	4	
R3418		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3419		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R3420,21		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R3422		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3423		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R3424,25		ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R3426		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3427		ERJ6GEYG302	M.RESISTOR CH 1/10W 3K	1	
R3428		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3430-32		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	3	
R3440-44		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	5	
R3447-54		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	8	
R3456-60		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	5	
R3461		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3462		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3463-65		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	3	
R3466		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3468		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3469		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3471		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3472		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3473,74		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	2	
R3475		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3477		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3478		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3480		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R3481,82		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3501		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3504		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3505		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3506		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3507		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3508		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3509		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3510		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3511		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3601		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3602		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3603		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3604		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3605,06		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R3607,08		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	2	
R3609		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3610		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3611		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3614,15		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
SW3401,02		VSR0045	SWITCH	2	<R>
VR3001,02		EVM7JGA00B24	V.RESISTOR	2	
VR3003		EVN32CA00B24	VARIABLE 20K	1	
VR3004-08		EVN32CA00B54	V.RESISTOR 50K	5	
VR3101,02		EVM7DGA00B13	V.RESISTOR 1K	2	
VR3201,02		EVM7DGA00B13	V.RESISTOR 1K	2	
VR3301		EVM7DGA00B23	V.RESISTOR 2K	1	
VR3401		EVN32CA00B24	VARIABLE 20K	1	
X3401		VSX0540	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E111		VSC2051	SHIELD CASE (MIDDLE)	1	
E112		VSC2052	SHIELD CASE (LOWER)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP03B43D	P.C.BOARD W/COMPONENT		AG-8600E
			VIDEO I/O		
C3001-03		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3006		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3007		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3008		ECUM1C105ZFN	C.CAPACITOR 16V 1U	1	
C3009		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3010		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3011		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C3012		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3013		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3014		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3015		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3016		ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	1	
C3017		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3018-20		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3021		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3022-24		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3025		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3026		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3027		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3028-30		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3032,33		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C3034		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3035		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3037		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C3038		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3039,40		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3041		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3042		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3043		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3044		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3045-48		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C3049		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3050,51		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C3053		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3080,81		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3083		ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C3085		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3086		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3087		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3088		ECUM1C105ZFN	C.CAPACITOR 16V 1U	1	
C3102		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3103		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C3105,06		ECUM1C105ZFN	C.CAPACITOR 16V 1U	2	
C3107		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3108		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3109,10		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3111		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3112-14		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3115-20		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C3121		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3122,23		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	2	
C3124		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3125-27		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C3129-32		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	4	
C3133		ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C3135,36		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3138		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3139		ECUM1C105ZFN	C.CAPACITOR 16V 1U	1	
C3140		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3141		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3201		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3202		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3203		ECHU1C392GB	P.CAPACITOR 16V 3900P	1	
C3204		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C3205		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C3206		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3207		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3208		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3209		ECUM1C105ZFN	C.CAPACITOR 16V 1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3210		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3211		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3212		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3213		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3214,15		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3216		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3217,18		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3220		ECEV0GV101Q	E.CAPACITOR 4V 100U	1	
C3221		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3223		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C3224		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3225		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3226,27		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C3228		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3229,30		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C3231		ECEV0JV330Q	E.CAPACITOR 6.3V 33U	1	
C3232		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3233		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3234,35		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C3237		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3239-41		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	3	
C3242		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3244,45		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	2	
C3246		ECUM1C105ZFN	C.CAPACITOR 16V 1U	1	
C3247		ECEV1HVR47Q	E.CAPACITOR 50V 0.47U	1	
C3248		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3251		ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C3253,54		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C3255		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3256-58		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	3	
C3259		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3260		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3261		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3262		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3263		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3268		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3269		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3297		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3298		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3299		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3401		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3402		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3404-06		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3443-46		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C3447,48		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C3449-65		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	17	
C3466		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3467		ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3468-71		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	4	
C3472		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3473		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3474		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C3475		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3476		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3478		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3479		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3501		ECEV0JV101Q	E.CAPACITOR 6.3V 100U	1	
C3502		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3503		ECEV0GV101Q	E.CAPACITOR 4V 100U	1	
C3504		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3505		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3506		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3507		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3508		ECEV0GV101Q	E.CAPACITOR 4V 100U	1	
C3602		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3603		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3604		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3605		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
D3002,03		MA151K	DIODE	2	<R>
D3201,02		1SS283	DIODE	2	<R>
D3203		MA151K	DIODE	1	<R>
D3206		MA151K	DIODE	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D3401		MA28W-B	DIODE	1	<R>
D3411		MA151K	DIODE	1	<R>
D3501		11EQS04	DIODE	1	<R>
FL3001		ELB4R031	FILTER	1	
FL3101		VLF1050	FILTER	1	
FL3102,03		VLF1155	FILTER	2	
FL3201		VLF1045	FILTER	1	
FL3202		VLF1156	FILTER	1	
FL3203		VLF1157	FILTER	1	
FL3204		VLF1156	FILTER	1	
FL3205		VLF1157	FILTER	1	
FL3401		VLF0526	FILTER	1	
FL3402-04		VLF0523	FILTER	3	
FL3405		VLF0526	FILTER	1	
FL3406		VLF1156	FILTER	1	
FL3407		VLF1157	FILTER	1	
IC3001		MC74HC86F	IC	1	<R>
IC3002		TC7S04F	IC	1	<R>
IC3003		NJM78L05UA	IC	1	<R>
IC3004		M52083FP	IC	1	<R>
IC3005		LM324NS	IC	1	<R>
IC3006		AN6308S	IC	1	<R>
IC3007		MC14052BF	IC	1	<R>
IC3010		AN78N05	IC	1	<R>
IC3101		NJM2234MA	IC	1	<R>
IC3102		TL8823F	IC	1	<R>
IC3103		NJM2233BMA	IC	1	<R>
IC3201		NJM592M8	IC	1	<R>
IC3202		MC14577CP	IC	1	<R>
IC3203		NJM2235MA	IC	1	<R>
IC3204		TC4W53F	IC	1	<R>
IC3205		TA75S01F	IC	1	<R>
IC3206		AN3296S	IC	1	<R>
IC3207		NJM78L05UA	IC	1	<R>
IC3208		TK16031M	IC	1	<R>
IC3401		MC74HC157AF	IC	1	<R>
IC3402,03		MC74HC163AF	IC	2	<R>
IC3404		MC74HC32AF	IC	1	<R>
IC3405		MC74HC74AF	IC	1	<R>
IC3406		TC7WU04F	IC	1	<R>
IC3407		MC74HC08AF	IC	1	<R>
IC3408		MC74HC74AF	IC	1	<R>
IC3409		MC74HC04AF	IC	1	<R>
IC3410		MN4538BS	IC	1	<R>
IC3411		HM63021FP	IC	1	<R>
IC3412		MC74HC541AF	IC	1	<R>
IC3413		MB40778PF	IC	1	<R>
IC3414		MC74HC32AF	IC	1	<R>
IC3416		TC4S30F	IC	1	<R>
IC3417		MC14577CP	IC	1	<R>
IC3418		CXD1175AM	IC	1	<R>
IC3419		MC74HC74AF	IC	1	<R>
IC3420		TC7S08F	IC	1	<R>
IC3421		TC7S04F	IC	1	<R>
L3001		VLQ0163J181	COIL 180UH	1	
L3002		VLQ0163J390	COIL 39UH	1	
L3003		VLQ0163J330	COIL 33UH	1	
L3006		VLQ0163J270	COIL 27UH	1	
L3007,08		VLQ0163J330	COIL 33UH	2	
L3009		VLQ0163J100	COIL 10UH	1	
L3010		VLQ0163J120	COIL 12UH	1	
L3011		VLQ0163J180	COIL 18UH	1	
L3012,13		VLQ0163J100	COIL 10UH	2	
L3014		VLQ0163J101	COIL 100UH	1	
L3015-17		VLQ0319K101	COIL 100UH	3	
L3018		VLQ0133J271	COIL 270UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3019	VLQ0163J101	COIL 100UH	1	
L3020	VLQ0133J821	COIL 820UH	1	
L3021	VLQ0163J151	COIL 150UH	1	
L3022	VLQ0163J390	COIL 39UH	1	
L3023	VLQ0163J820	COIL 82UH	1	
L3101	VLQ0133J331	COIL 330UH	1	
L3102	VLQ0133J561	COIL 560UH	1	
L3103	VLQ0133J391	COIL 390UH	1	
L3104	VLQ0133J561	COIL 560UH	1	
L3105	VLQ0133J102	COIL 1000UH	1	
L3107	VLQ0163J151	COIL 150UH	1	
L3108	VLQ0163J220	COIL 22UH	1	
L3109,10	VLQ0163J330	COIL 33UH	2	
L3111,12	VLQ0319K101	COIL 100UH	2	
L3113	VLQ0133J681	COIL 680UH	1	
L3114	VLQ0163J150	COIL 15UH	1	
L3203	VLQ0133J271	COIL 270UH	1	
L3205-08	VLQ0319K101	COIL 100UH	4	
L3211	VLQ0163J560	COIL 56UH	1	
L3212	VLQ0163J270	COIL 27UH	1	
L3225	VLQ0319K101	COIL 100UH	1	
L3317	VLQ0319K101	COIL 100UH	1	
L3401-05	VLQ0319K101	COIL 100UH	5	
P3002	VJP3080	CONNECTOR (MALE)	1	
P3931	VJP3176B100	CONNECTOR	1	
Q3001	MSD601-R	TRANSISTOR	1	<R>
Q3002	2SD1328-S	TRANSISTOR	1	<R>
Q3004	MSC2295-B	TRANSISTOR	1	<R>
Q3005	2SK374-R	TRANSISTOR	1	<R>
Q3006,07	MSD601-R	TRANSISTOR	2	<R>
Q3008,09	MSC2295-B	TRANSISTOR	2	<R>
Q3010	MSB709-R	TRANSISTOR	1	<R>
Q3011	MSC2295-B	TRANSISTOR	1	<R>
Q3013,14	MSC2295-B	TRANSISTOR	2	<R>
Q3015	MSB709-R	TRANSISTOR	1	<R>
Q3016	MSC2295-B	TRANSISTOR	1	<R>
Q3101	MSC2295-B	TRANSISTOR	1	<R>
Q3104,05	MSC2295-B	TRANSISTOR	2	<R>
Q3106	MSB709-R	TRANSISTOR	1	<R>
Q3107	MSC2295-B	TRANSISTOR	1	<R>
Q3108	MSB709-R	TRANSISTOR	1	<R>
Q3109	MSC2295-B	TRANSISTOR	1	<R>
Q3111	MSB709-R	TRANSISTOR	1	<R>
Q3112	MSD601-R	TRANSISTOR	1	<R>
Q3113	MSC2295-B	TRANSISTOR	1	<R>
Q3114,15	MSD601-R	TRANSISTOR	2	<R>
Q3116	MSC2295-B	TRANSISTOR	1	<R>
Q3117,18	MSD601-R	TRANSISTOR	2	<R>
Q3119	MSC2295-B	TRANSISTOR	1	<R>
Q3120	MSD601-R	TRANSISTOR	1	<R>
Q3121	XN1213	TRANSISTOR-TRANSISTOR	1	<R>
Q3122	MSB709-R	TRANSISTOR	1	<R>
Q3201-03	MSD601-R	TRANSISTOR	3	<R>
Q3204-08	MSC2295-B	TRANSISTOR	5	<R>
Q3210,11	MSD601-R	TRANSISTOR	2	<R>
Q3213	XN1504	TRANSISTOR	1	<R>
Q3214-17	MSD601-R	TRANSISTOR	4	<R>
Q3219	MSD601-R	TRANSISTOR	1	<R>
Q3221	MSD601-R	TRANSISTOR	1	<R>
Q3222	MSC2295-B	TRANSISTOR	1	<R>
Q3223	MSD601-R	TRANSISTOR	1	<R>
Q3224	MSC2295-B	TRANSISTOR	1	<R>
Q3401	MSD601-R	TRANSISTOR	1	<R>
Q3601,02	MSD601-R	TRANSISTOR	2	<R>
Q3603	MSC2295-B	TRANSISTOR	1	<R>
Q3604	2SA1022-C	TRANSISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR3003,04	MRN1404	TRANSISTOR	2	<R>
QR3005	MRN2404	TRANSISTOR	1	<R>
QR3006	MRN1404	TRANSISTOR	1	<R>
QR3009	MRN2404	TRANSISTOR	1	<R>
QR3010	MRN1404	TRANSISTOR	1	<R>
QR3102	MRN2404	TRANSISTOR	1	<R>
QR3201,02	MRN1404	TRANSISTOR	2	<R>
QR3401	XN4501	TRANSISTOR-RESISTOR	1	<R>
QR3601	MRN1404	TRANSISTOR	1	<R>
R3001	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3002	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3003	ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3004	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3009	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3010,11	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3012	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R3013	ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3015	ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3016	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3018	ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3019	ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3020	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3021	ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3022	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3023	ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3025	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3026	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3027	ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3029	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3030	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3031-33	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3034	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3036	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3037	ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3038	ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3039	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3040	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3041	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3042	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3044-46	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3047	ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R3048	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3049,50	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	2	
R3051	ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3052	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3053	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3054	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3055	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3056	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3057	ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3058,59	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3060	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3061	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3065	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3067,68	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3069	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3070	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3071	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3072	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3073	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3074	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3075	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3077	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3079	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3080	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3081	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3082	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3083	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3084	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3085	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3086	ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3089	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3090		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3104-14		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	11	
R3115		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3116,17		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3118		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R3119-28		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	10	
R3129		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3130		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3131,32		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3133,34		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3135		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3136-39		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	4	
R3140		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3141,42		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	2	
R3143		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3144		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3145		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R3146		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3147		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3149,50		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	2	
R3151		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3152		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3153		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3154		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3156		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3157,58		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R3159		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3200		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3201		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3203-05		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3206		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3207		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3208		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3209		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3210		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3211		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3212		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3213		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3214-16		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3217		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3218		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3219		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3220		ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R3221-23		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3224		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3225		ERJ6GEYJ113	M.RESISTOR CH 1/10W 11K	1	
R3226		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3227		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3228		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3229		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3230		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3231		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3232		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3233		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3234		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3235		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3236,37		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	2	
R3238		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3239		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R3240		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3241		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3242		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3243		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3244		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3245		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3246		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3247-50		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	4	
R3251		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3252		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3253		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3254		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3255		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3256		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3257,58		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R3259		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3260		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3261		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3262		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3263		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3264		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R3265		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3266		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3267		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3268		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3269		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3270		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3271		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3272		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3273		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R3274		ERJ6GEYJ753	M.RESISTOR CH 1/10W 75K	1	
R3275		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3276		VRE0034E473	M.RESISTOR CH 1/10W 47K	1	
R3277		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3278		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3279,80		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	2	
R3281,82		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3283		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3284		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3285		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3286		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3287		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3288		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3289		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3290		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3291		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3292		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R3293		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3294		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3295		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3296		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3297		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3298,99		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R3300		ECUM1C105ZFN	C.CAPACITOR 16V 1U	1	
R3317		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3403		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3405-08		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	4	
R3409		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3411,12		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3413-16		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	4	
R3418		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3419		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R3420,21		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R3422		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3423		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R3424,25		ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R3426		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3427		ERJ6GEYG302	M.RESISTOR CH 1/10W 3K	1	
R3428		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3430-32		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	3	
R3440-44		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	5	
R3447-54		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	8	
R3456-60		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	5	
R3461		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3462		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3463-65		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	3	
R3466		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3468		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3469		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3471		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3472		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3473,74		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	2	
R3475		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3477		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3478		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3480		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R3481,82		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3501		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3504		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3505		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3506		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3507		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3508		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3509		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3510		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3511		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3601		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3602		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3603		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3604		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3605,06		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R3607,08		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	2	
R3609		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3610		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3611		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3614,15		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
SW3401,02		VSR0045	SWITCH	2	<R>
VR3001,02		EVM7JGA00B24	V.RESISTOR	2	
VR3003		EVN32CA00B24	VARIABLE 20K	1	
VR3004-08		EVN32CA00B54	V.RESISTOR 50K	5	
VR3101,02		EVM7DGA00B13	V.RESISTOR 1K	2	
VR3201,02		EVM7DGA00B13	V.RESISTOR 1K	2	
VR3401		EVN32CA00B24	VARIABLE 20K	1	
X3401		VSX0540	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E111		VSC2051	SHIELD CASE (MIDDLE)	1	
E112		VSC2052	SHIELD CASE (LOWER)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP03B44D	P.C.BOARD W/COMPONENT		AG-8600E
			VIDEO YC		
C3001		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3003-06		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	4	
C3008,09		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3010		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3012		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3013		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3014		ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C3020-22		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3023		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3024		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3025		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C3026		ECUM1C154KBN	C.CAPACITOR 16V 0.15U	1	
C3027		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C3028,29		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	2	
C3030		ECEV1EN4R7Q	E.CAPACITOR 25V 4.7U	1	
C3032		ECUM1H221GCN	C.CAPACITOR CH 50V 220P	1	
C3033-35		ECUM1H271GCN	C.CAPACITOR CH 50V 270P	3	
C3038		ECQP1H561JZ	P.CAPACITOR 50V 560P	1	
C3039		ECUM1H820GCN	C.CAPACITOR CH 50V 82P	1	
C3040		ECQP1H911GZ	P.CAPACITOR 50V 910P	1	
C3042		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C3043		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3044		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3045		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3047		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3048		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3049		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3051-55		ECEV1CV100Q	E.CAPACITOR 16V 10U	5	
C3056-61		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	6	
C3062		ECEV0GV470Q	E.CAPACITOR 4V 47U	1	
C3063		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3064		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C3065		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3066,67		ECEV1CV220Q	E.CAPACITOR 16V 22U	2	
C3068,69		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	2	
C3070		ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C3072-76		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	5	
C3078		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3079		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3080		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3083		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3084,85		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3086,87		ECUM1C105ZFN	C.CAPACITOR 16V 1U	2	
C3088		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3089		ECEV1EN4R7Q	E.CAPACITOR 25V 4.7U	1	
C3091,92		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3093		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3094,95		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C3096		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3097		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3100		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3101		ECUM1C105ZFN	C.CAPACITOR 16V 1U	1	
C3102		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3112		ECUM1C154KBN	C.CAPACITOR 16V 0.15U	1	
C3202		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3203-05		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3206		ECUM1C105ZFN	C.CAPACITOR 16V 1U	1	
C3207		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3208		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3209		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3210		ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C3211		ECUM1H120JUN	C.CAPACITOR 50V 12P	1	
C3212		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3213		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3214-16		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3217		ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	1	
C3218,19		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3220		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3221		ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3222		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3223		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C3224		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3225		ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C3226		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3227		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3228,29		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	2	
C3230		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3231		ECUM1H393KBN	C.CAPACITOR 50V 0.033U	1	
C3233		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3234		ECUM1H090DCN	C.CAPACITOR CH 50V 90P	1	
C3235		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3236		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3237		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3239,40		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3241-44		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	4	
C3245		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3246		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3248		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3249		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3250-52		ECUM1C105ZFN	C.CAPACITOR 16V 1U	3	
C3253		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3254		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3255		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3256		ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C3257,58		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3259		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3261		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3263-65		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3266		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3267		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3268		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3269-71		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3273		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3274		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3275		ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3276		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3277		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3278		ECUM1C105ZFN	C.CAPACITOR 16V 1U	1	
C3279		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3281		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3282		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3401		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3402-06		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	5	
C3407		ECUM1H090DCN	C.CAPACITOR CH 50V 90P	1	
C3408		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3409		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3410		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3411		ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C3412		ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C3413-17		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	5	
C3418		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C3419		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3420		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3421		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3422		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3423		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3424		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3425		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3426,27		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3428		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3429		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3430		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3431,32		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3433		ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C3434		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3435,36		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3437-39		ECEV1CV100Q	E.CAPACITOR 16V 10U	3	
C3440		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3441		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3442		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3443		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3444		ECEV1EV4R7Q	E.CAPACITOR 25V 4.7U	1	
C3445-47		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3448		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3449,50		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C3451		ECUM1C105ZFN	C.CAPACITOR 16V 1U	1	
C3452		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3453-55		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3456		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3457		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3459		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3460		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3461		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3462		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3463		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3464		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3465		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3466,67		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C3468		ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C3469		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3470		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3471		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3472		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3473		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3474		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3475,76		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3477		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3478		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3479		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3480-83		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	4	
C3484,85		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C3486		ECQV1H105JZ	P.CAPACITOR 50V 1U	1	
C3487		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C3488		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3490-92		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3493		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3497-99		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3500		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C3501		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3502		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3503		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3504,05		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3507-09		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C3510		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3511,12		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C3513		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C3514		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3515		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3516		ECUM1C105ZFN	C.CAPACITOR 16V 1U	1	
C3517		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3520-22		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C3523		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3524		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C3525		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3527		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3528		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3529,30		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	2	
C3531		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3601		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3602		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3603		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C3604		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
D3001		MA3091-M	DIODE	1	<R>
D3002,03		MA151K	DIODE	2	<R>
D3005-07		MA151K	DIODE	3	<R>
D3202		MA151WA	DIODE	1	<R>
D3203-05		MA151K	DIODE	3	<R>
D3206		MA151WA	DIODE	1	<R>
D3208		MA151K	DIODE	1	<R>
D3402		MA3091-M	DIODE	1	<R>
D3403		MA28W-B	DIODE	1	<R>
D3501		MA151K	DIODE	1	<R>
D3502		MA151WA	DIODE	1	<R>
D3503		MA151K	DIODE	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
DL3201		VLD0272	DELAY	1	
FL3003		VLF1129	FILTER	1	
FL3005		VLF1127	FILTER	1	
FL3006		VLF1128	FILTER	1	
FL3201		VLF1134	FILTER	1	
FL3202		VLF1133	FILTER	1	
FL3203		VLD0147	DELAY LINE	1	
FL3204		VLF1130	FILTER	1	
FL3205		VLF1131	FILTER	1	
FL3401		VLF1131	FILTER	1	
FL3402		VLD0089	DELAY LINE	1	
FL3403,04		VLF1129	FILTER	2	
FL3405,06		VLF1133	FILTER	2	
FL3501		VLF1132	FILTER	1	
IC3001		TC7S04F	IC	1	<R>
IC3002		AN3293S	IC	1	<R>
IC3003		MSM6871RS	IC	1	<R>
IC3004		AN3255FAP	IC	1	<R>
IC3006-08		NJM2233BMA	IC	3	<R>
IC3009		TC4W53F	IC	1	<R>
IC3011		AN78N05	IC	1	<R>
IC3012		NJM78L05UA	IC	1	<R>
IC3201		M52056FP	IC	1	<R>
IC3205-07		TC7S04F	IC	3	<R>
IC3208,09		TC7S66F	IC	2	<R>
IC3210		TC7S04F	IC	1	<R>
IC3211		MC74HC4053F	IC	1	<R>
IC3212		TK16031M	IC	1	<R>
IC3213		MC14577CP	IC	1	<R>
IC3214,15		NJM78L05UA	IC	2	<R>
IC3401		NJM2233BMA	IC	1	<R>
IC3402		AN3495S	IC	1	<R>
IC3403,04		MSM6871RS	IC	2	<R>
IC3406		M52093SP	IC	1	<R>
IC3407		SN74LS221NS	IC	1	<R>
IC3408		MC14577CP	IC	1	<R>
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IC3502		MC74HC4053F	IC	1	<R>
IC3503		TA75W558FU	IC	1	<R>
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IC3506		MC14538BF	IC	1	<R>
IC3507		MC14013BF	IC	1	<R>
IC3508		MC14040BF	IC	1	<R>
IC3509		MC14538BF	IC	1	<R>
IC3510		TC4S30F	IC	1	<R>
IC3511		MC14013BF	IC	1	<R>
IC3512		TC4S30F	IC	1	<R>
L3001		VLQ0163J390	COIL 39UH	1	
L3002		VLQ0319K101	COIL 100UH	1	
L3004		VLQ0319K101	COIL 100UH	1	
L3005		VLP0083	COIL	1	
L3007,08		VLQ0319K101	COIL 100UH	2	
L3011		VLQ0163J151	COIL 150UH	1	
L3201		VLQ0163J470	COIL 47UH	1	
L3202,03		VLQ0163J820	COIL 82UH	2	
L3204		VLQ0163J330	COIL 33UH	1	
L3206		VLQ0319K101	COIL 100UH	1	
L3207		VLQ0163J330	COIL 33UH	1	
L3208		VLQ0163J150	COIL 15UH	1	
L3209-11		VLQ0319K101	COIL 100UH	3	
L3401		VLQ0319K101	COIL 100UH	1	
L3402		VLP0083	COIL	1	
L3403		VLQ0163J680	COIL 68UH	1	
L3404		VLQ0163J151	COIL 150UH	1	
L3405-07		VLQ0319K101	COIL 100UH	3	
L3409,10		VLQ0163J150	COIL 15UH	2	
L3411-13		VLQ0319K101	COIL 100UH	3	
L3416		VLQ0163J6R8	COIL 6.8UH	1	
L3501-03		VLQ0319K101	COIL 100UH	3	
L3504		VLQ0163J390	COIL 39UH	1	
P3632		VJP3176B064	CONNECTOR (MALE) 64P	1	
Q3002		MSD601-R	TRANSISTOR	1	<R>
Q3003-05		MSC2295-B	TRANSISTOR	3	<R>
Q3006		MSD601-R	TRANSISTOR	1	<R>
Q3007		MSB709-R	TRANSISTOR	1	<R>
Q3008,09		XN4501	TRANSISTOR-RESISTOR	2	<R>
Q3010,11		2SA1022-C	TRANSISTOR	2	<R>
Q3012		MSD601-R	TRANSISTOR	1	<R>
Q3013		MSB709-R	TRANSISTOR	1	<R>
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Q3016		MSD601-R	TRANSISTOR	1	<R>
Q3201,02		MSB709-R	TRANSISTOR	2	<R>
Q3203-07		MSD601-R	TRANSISTOR	5	<R>
Q3208,09		MSC2295-B	TRANSISTOR	2	<R>
Q3210		MSB709-R	TRANSISTOR	1	<R>
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Q3401-03		MSD601-R	TRANSISTOR	3	<R>
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Q3501		MSD601-R	TRANSISTOR	1	<R>
Q3502,03		MSB709-R	TRANSISTOR	2	<R>
Q3504		MSC2295-B	TRANSISTOR	1	<R>
Q3601		MSB709-R	TRANSISTOR	1	<R>
Q3602		MSC2295-B	TRANSISTOR	1	<R>
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QR3006		MRN1403	TRANSISTOR	1	<R>
QR3201,02		MRN1403	TRANSISTOR	2	<R>
QR3203		MRN1404	TRANSISTOR	1	<R>
QR3206,07		MRN1404	TRANSISTOR	2	<R>
QR3402,03		MRN1404	TRANSISTOR	2	<R>
QR3500		MRN1403	TRANSISTOR	1	<R>
R3001		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3002-09		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	8	
R3010-12		VRE0034E102	M.RESISTOR CH 1/10W 1K	3	
R3013		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3014		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R3015		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3017		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3018		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3019		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3020,21		VRE0034E152	M.RESISTOR CH 1/10W 1.5K	2	
R3022		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3024		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R3026		ERJ6GEYJ225	M.RESISTOR CH 1/10W 2.2M	1	
R3027,28		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3029		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3030		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3032		VRE0034E241	M.RESISTOR CH 1/10W 240	1	
R3033		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3034		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3035,36		VRE0034E332	M.RESISTOR CH 1/10W 3.3K	2	
R3037		VRE0034E471	M.RESISTOR CH 1/10W 470	1	
R3039		VRE0034E471	M.RESISTOR CH 1/10W 470	1	
R3040,41		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R3042		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3043		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3044		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3045		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3047		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3048		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3050		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3051		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3052		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3053		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3054		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3055		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3056		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3057		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3058		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3061		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3062		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3063,64		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R3066		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3069		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3070		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3071,72		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R3075		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3077		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3078		VRE0034E392	M.RESISTOR CH 1/10W 3.9K	1	
R3079		VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3080		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3081		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3082		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3083		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3084		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3085		VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3086		VRE0034E153	M.RESISTOR CH 1/10W 15K	1	
R3087		VRE0034E223	M.RESISTOR CH 1/10W 22K	1	
R3088,89		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	2	
R3090		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3091		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3092		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3093-95		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	3	
R3096		ERJ6GEYJ621	M.RESISTOR CH 1/10W 620	1	
R3097		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3098		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3099		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3102		VRE0034E333	M.RESISTOR CH 1/10W 33K	1	
R3103		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R3104		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3105		VRE0034E183	M.RESISTOR CH 1/10W 18K	1	
R3107		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3112		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3113		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3114		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3115		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3201,02		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R3203		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3205		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3206		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3208		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3209,10		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3211		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3212		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3214,15		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3216		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3218		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3219		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3220		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3221		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3222		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3223		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3224		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3225		ERJ6GEYJ512	M.RESISTOR CH 1/10W 5.1K	1	
R3226		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3227,28		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3229		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3230		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3231,32		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3233		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3234,35		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3236-39		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	4	
R3240		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3241,42		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3243		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3244		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3245,46		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	2	
R3247		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3249		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3250		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3251		ERJ6GEYJ220	M.RESISTOR CH 1/10W 22	1	
R3252		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3253		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3254		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3255,56		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3262,63		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3264		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3265		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3266		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3267		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3268		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3269,70		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3271,72		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	2	
R3273		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3274,75		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	2	
R3276		ERJ6GEYJ511	M.RESISTOR CH 1/10W 510	1	
R3277		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3278		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3279,80		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3281		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3282		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3284		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3285		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3286		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3287,88		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3289		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3290		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3291		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3292,93		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3295		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3297		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3298		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3299,00		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3301		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3302		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3400		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3401		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3402		ERDS2T0	C.RESISTOR 1/4W 0	1	
R3403,04		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3405		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3407		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3408		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3409		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3410		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3411		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3412		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3413		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3414		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3415		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R3416		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3417		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3418		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3419		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3420		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3421		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3422		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3423		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3424		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3425		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3426-28		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3429		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3430		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3431		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3432		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3433		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3434		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3435-37		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	3	
R3438		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3439		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R3440		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3441		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3445,46		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3449		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3450,51		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3452		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3455		ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	1	
R3457,58		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R3460		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R3461		ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	1	
R3462		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3463		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3464		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3465		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3467		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3468		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3470		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3471		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3472		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3473		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3474		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3475		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3476		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3477-79		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3484		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3485		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3486		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3487		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3488		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3489		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3490		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3491		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3492,93		VRE0034E681	M.RESISTOR CH 1/10W 680	2	
R3494		VRE0034E122	M.RESISTOR CH 1/10W 1.2K	1	
R3495		VRE0034E201	M.RESISTOR CH 1/10W 200	1	
R3496		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3499		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3501		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3502		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3503		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3504		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3506		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3507		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3508		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3509		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3510		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R3511,12		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3513		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3514		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3515		ERJ6GEYJ912	M.RESISTOR CH 1/10W 9.1K	1	
R3516		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3517		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3518		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3519		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R3520,21		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3529		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3530		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R3531		ERJ6GEYJ433	M.RESISTOR CH 1/10W 43K	1	
R3532		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3533		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3534		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R3536		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3537		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3538		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3540		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3541		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3542		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3543		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3544		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3545,46		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3547		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3548		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3549		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3550		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3551		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3601		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3602		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3603		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3604		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3605		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3606		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3607		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3608		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3609		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3611		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3612		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3614		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3615		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3616		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
TH3401-03		ERTD2FHL102S	THERMISTOR 1K	3	
VC3201		ECV1ZW60X60	TRIMMER	1	
VR3003		EVM7JGA00B13	V.RESISTOR 1K	1	
VR3004,05		EVN32CA00B53	V.RESISTOR 5K	2	
VR3006		EVM7DGA00B52	V.RESISTOR 500	1	
VR3202		EVN32CA00B15	V.RESISTOR 100K	1	
VR3203		EVN32CA00B24	VARIABLE 20K	1	
VR3206		EVM7DGA00B14	V.RESISTOR 10K	1	
VR3207		EVM7DGA00B24	V.RESISTOR 20K	1	
VR3401-03		EVM7JGA00B13	V.RESISTOR 1K	3	
VR3404		EVN32CA00B13	V.RESISTOR 1K	1	
VR3406		EVM7DGA00B54	V.RESISTOR 50K	1	
VR3407		EVM7DGA00B23	V.RESISTOR 2K	1	
VR3408		EVM7DGA00B54	V.RESISTOR 50K	1	
VR3410		EVN32CA00B54	V.RESISTOR 50K	1	
X3201		VSX0406	CRYSTAL OSCILLATOR	1	<R>
X3401		VSX0316	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E48		VMZ2228	INSULATER	1	
E49		VSC3973	SHIELD PLATE	1	
E50		XTV3+6FFR	SCREW	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP04328B	P.C.BOARD W/COMPONENT		AG-8600E
			METER		
D4201-06		LN440YCPUVT1	DIODE	6	<R>
P4201		VJP3529	CONNECTOR	1	
R4201,02		ERDS2TJ151	C.RESISTOR 1/4W 150	2	
R4209,10		ERDS2TJ151	C.RESISTOR 1/4W 150	2	
			MISCELLANEOUS		
E55		VGF0245	METER HOLDER	2	
E56		VSE0117	METER	1	
E57		VSE0115	AUDIO METER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP04419A	P.C.BOARD W/COMPONENT		AG-8700E
			MIC JACK		
C4301		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C4302		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4303-05		ECEA1CKA470	E.CAPACITOR 16V 47U	3	
C4306		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C4307		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4308		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C4310,11		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	2	
FL4301,02		VLF0523	FILTER	2	
IC4301		NJM2068MD	IC	1	<R>
J4301,02		VJJ0078	MIC JACK	2	
P4301		VJP3076	CONNECTOR	1	
Q4301		MSD602-R	TRANSISTOR	1	<R>
R4301,02		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	2	
R4303		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4304		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R4305		ERJ6GEYJ753	M.RESISTOR CH 1/10W 75K	1	
R4306		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4307,08		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	2	
R4309		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R4310		ERJ6GEYJ753	M.RESISTOR CH 1/10W 75K	1	
R4311,12		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R4314,15		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4316		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
			MISCELLANEOUS		
E62		VSC3429	SHIELD COVER	1	
E63		VMP3224	MIC JACK ANGLE	1	
		VQL4821	ROM LABEL	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP04420C	P.C.BOARD W/COMPONENT		AG-8700E
			AUDIO (1)		
C40001		ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C40002		ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U	1	
C40003		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40004		ECSF1EE106	T.CAPACITOR 25V 10U	1	
C40006		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C40007		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40008,09		ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C40010		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C40011		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40012		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40013		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C40014		ECEA0JGE221	E.CAPACITOR 6.3V 220U	1	
C40015		ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C40016		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40017		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40018		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40019		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40020		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40021		ECKW2H331KB	C.CAPACITOR 500V 330P	1	
C40022		ECKD2H151KB	C.CAPACITOR 500V 150P	1	
C40023		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40024		ECQP1H223JZ	P.CAPACITOR 50V 0.022U	1	
C40025		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40026		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C40027		ECQP1152JZ	P.CAPACITOR 100V 1500P	1	
C40028		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40029		ECSF1EE336	T.CAPACITOR 25V 33U	1	
C40030		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C40031,32		ECSF1CE106	T.CAPACITOR 16V 22U	2	
C40033		ECSF1EE106	T.CAPACITOR 25V 10U	1	
C40034		ECSF1HE105	T.CAPACITOR 50V 1U	1	
C40035		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40036		ECSF1CE336	T.CAPACITOR 16V 33U	1	
C40037		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40038		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40039		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C40040		ECEA1HGE2R2	E.CAPACITOR 50V 2.2U	1	
C40041,42		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	2	
C40043		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40044		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40045		ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40046		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40047		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40048		ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40049		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40050		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40051		ECQP1152JZ	P.CAPACITOR 100V 1500P	1	
C40052		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40053		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C40054		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40055		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40056		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40057		ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C40058		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C40059		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C40060,61		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C40062		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40063		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40064		ECEA1EN4R7S	E.CAPACITOR 25V 4.7U	1	
C40065		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C40066		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C40067		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C40068		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40069		ECQB1H153JF	P.CAPACITOR 50V 0.015U	1	
C40070		ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C40071		ECEA1HGE2R2	E.CAPACITOR 50V 2.2U	1	
C40072		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C40073		ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C40074		ECEA1CGE101	E.CAPACITOR 16V 100U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C40075		ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U	1	
C40076		ECEA1HGE2R2	E.CAPACITOR 50V 2.2U	1	
C40077		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C40078		ECSF1EE336	T.CAPACITOR 25V 33U	1	
C40079,80		ECSF1CE106	T.CAPACITOR 16V 22U	2	
C40081		ECSF1EE106	T.CAPACITOR 25V 10U	1	
C40082		ECSF1HE105	T.CAPACITOR 50V 1U	1	
C40083		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40084		ECSF1CE336	T.CAPACITOR 16V 33U	1	
C40085		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40086		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C40087		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40088		ECEA1HGE2R2	E.CAPACITOR 50V 2.2U	1	
C40089		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40090		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C40091		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C40092,93		ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C40094		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C40095		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40096		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C40097		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40098		ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C40099		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C40101		ECSF1EE106	T.CAPACITOR 25V 10U	1	
C40102		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40103		ECEA0JGE221	E.CAPACITOR 6.3V 220U	1	
C40104		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40105		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40106		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40107		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40108		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40109		ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C40110		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40111		ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40112		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40113		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40114		ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40115		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40116		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40117		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40118		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C40119		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C40120		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C40121		ECKW2H331KB	C.CAPACITOR 500V 330P	1	
C40122		ECKD2H151KB	C.CAPACITOR 500V 150P	1	
C40123		ECQP1152JZ	P.CAPACITOR 100V 1500P	1	
C40124		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40125		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40126		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40127		ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C40128		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C40129		ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C40130		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C40131		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40132		ECQB1H153JF	P.CAPACITOR 50V 0.015U	1	
C40133,34		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C40135		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40136		ECEA1EN4R7S	E.CAPACITOR 25V 4.7U	1	
C40137		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40138		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C40139		ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C40140,41		ECEA1CGE101	E.CAPACITOR 16V 100U	2	
C40142		ECEA1HGE220	E.CAPACITOR 50V 22U	1	
C40143		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40144		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C40145		ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C40146		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40147		ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C40148		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C40149		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40150		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40151		ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C40152		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40153		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40154		ECEA1CGE101	E.CAPACITOR 16V 100U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C40155		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40156-58		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C40159,60		ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C40161		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C40162,63		ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C40164		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C40165,66		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C40167		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40168		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C40169		ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C40170		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40171		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C40172		ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C40173		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C40175		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40176		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C40180-83		ECEA1HGE100	E.CAPACITOR 50V 10U	4	
D40001-11		MA151K	DIODE	11	<R>
D40012,13		MA151WA	DIODE	2	<R>
D40014,15		MA151K	DIODE	2	<R>
D40016		MA151WK	DIODE	1	<R>
D40017		MA151K	DIODE	1	<R>
D40018		MA723	DIODE	1	<R>
D40019		MA165VT	DIODE	1	<R>
D40020,21		MA151K	DIODE	2	<R>
FL40001,02		VLF0402	FILTER	2	
IC40001		HA12005	IC	1	<R>
IC40002		NE646N	IC	1	<R>
IC40003		HA12005	IC	1	<R>
IC40004		NE646N	IC	1	<R>
IC40005		UPC4558G2	IC	1	<R>
IC40006,07		MN1280R	IC	2	<R>
IC40008		AN360	IC	1	<R>
IC40009		MC14053BF	IC	1	<R>
IC40010-12		MC74HC595AF	IC	3	<R>
IC40013-15		TD62503F	IC	3	<R>
IC40016		MC14066BF	IC	1	<R>
IC40017		MC14053BF	IC	1	<R>
IC40018,19		AN6558S	IC	2	<R>
IC40020		M51132L	IC	1	<R>
IC40021		TC7S32F	IC	1	<R>
J40001		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J40003-05		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
L40001		VLQEL06F102K	COIL 1000UH	1	
L40002		VLQ0123	COIL	1	
L40003		VLQEL06F102K	COIL 1000UH	1	
L40004,05		VLQEL06F471K	COIL 470UH	2	
L40006		VLQEL06F102K	COIL 1000UH	1	
L40007		VLQ0123	COIL	1	
L40008,09		VLQEL06F102K	COIL 1000UH	2	
L40010		VLQ0460	COIL	1	
P40001		VJP1231T	CONNECTOR (MALE) 4P	1	
P40002		VJP1230R	CONNECTOR (MALE) 3P	1	
P40003		VJP1230T	CONNECTOR (MALE) 3P	1	
P40004		VJP3176B064	CONNECTOR (MALE) 64P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q40001		2SD1306	TRANSISTOR	1	<R>
Q40002,03		2SD1149-R	TRANSISTOR	2	<R>
Q40004		2SB709A	TRANSISTOR	1	<R>
Q40005,06		MSD601-R	TRANSISTOR	2	<R>
Q40007		MSB709-R	TRANSISTOR	1	<R>
Q40008		2SD636	TRANSISTOR	1	<R>
Q40009		2SD1862	TRANSISTOR	1	<R>
Q40010		2SB643	TRANSISTOR	1	<R>
Q40011		2SD1149-R	TRANSISTOR	1	<R>
Q40012		MSB709-R	TRANSISTOR	1	<R>
Q40013		2SD1149-R	TRANSISTOR	1	<R>
Q40014,15		2SD602A	TRANSISTOR	2	<R>
Q40016,17		2SB710A-R	TRANSISTOR	2	<R>
Q40018		2SD1862	TRANSISTOR	1	<R>
Q40019		MSB709-R	TRANSISTOR	1	<R>
Q40020,21		2SD602A	TRANSISTOR	2	<R>
Q40022,23		2SC2405-S	TRANSISTOR	2	<R>
Q40024,25		2SD1306	TRANSISTOR	2	<R>
Q40026		2SD1149-R	TRANSISTOR	1	<R>
Q40027		2SB709A	TRANSISTOR	1	<R>
Q40028		2SD1149-R	TRANSISTOR	1	<R>
Q40029,30		MSD601-R	TRANSISTOR	2	<R>
Q40031		MSB709-R	TRANSISTOR	1	<R>
Q40032		2SD636	TRANSISTOR	1	<R>
Q40033		2SD1149-R	TRANSISTOR	1	<R>
Q40034		MSB709-R	TRANSISTOR	1	<R>
Q40035		2SB643	TRANSISTOR	1	<R>
Q40036		2SD1862	TRANSISTOR	1	<R>
Q40037		MSB709-R	TRANSISTOR	1	<R>
Q40038,39		2SD602A	TRANSISTOR	2	<R>
Q40040		2SB710A-R	TRANSISTOR	1	<R>
Q40041,42		2SC2405-S	TRANSISTOR	2	<R>
Q40043		2SD1306	TRANSISTOR	1	<R>
Q40044		2SD1149-R	TRANSISTOR	1	<R>
Q40045		MSB709-R	TRANSISTOR	1	<R>
Q40046		2SB710A-R	TRANSISTOR	1	<R>
Q40047		2SD602-R	TRANSISTOR	1	<R>
Q40048		MSD601-R	TRANSISTOR	1	<R>
Q40049		2SD1862	TRANSISTOR	1	<R>
Q40050,51		2SB710A-R	TRANSISTOR	2	<R>
QR40001-03		MRN1403	TRANSISTOR	3	<R>
QR40004		UN2114	TRANSISTOR-RESISTOR	1	<R>
QR40005		MRN1403	TRANSISTOR	1	<R>
QR40006		MRN1404	TRANSISTOR	1	<R>
QR40007		MRN1403	TRANSISTOR	1	<R>
QR40008-10		MRN2403	TRANSISTOR	3	<R>
QR40011		MRN1403	TRANSISTOR	1	<R>
QR40012		MRN1402	TRANSISTOR	1	<R>
QR40013		UN2217	TRANSISTOR-RESISTOR	1	<R>
QR40014		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR40015-17		MRN1403	TRANSISTOR	3	<R>
QR40018		UN2114	TRANSISTOR-RESISTOR	1	<R>
QR40019		MRN1403	TRANSISTOR	1	<R>
QR40020-22		MRN2403	TRANSISTOR	3	<R>
QR40023		MRN1403	TRANSISTOR	1	<R>
QR40024		MRN1402	TRANSISTOR	1	<R>
QR40025		MRN1403	TRANSISTOR	1	<R>
QR40026		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR40027		UN2217	TRANSISTOR-RESISTOR	1	<R>
QR40028		MRN1404	TRANSISTOR	1	<R>
QR40029-32		MRN2404	TRANSISTOR	4	<R>
QR40050-53		MRN1402	TRANSISTOR	4	<R>
R40001-03		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	3	
R40004		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R40005		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40006		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40007		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40008		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R40009		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R40010		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R40011,12		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R40013		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R40014		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R40015		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40016		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R40017		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40018		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40019		ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	1	
R40020,21		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	2	
R40022		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R40023		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R40024		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R40025		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R40026,27		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R40028		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R40029		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40030		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R40031		VRE0034E564	M.RESISTOR CH 1/10W 560K	1	
R40032		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R40033		VRE0034E104	M.RESISTOR CH 1/10W 100K	1	
R40034		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40035		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40036		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R40037		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40038		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R40039		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40040		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R40041		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R40042		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40043,44		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R40045		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40046		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40047		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40048		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R40049		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R40050,51		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R40052		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R40053		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40054		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40055		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R40056		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R40057		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40058		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40059		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R40060		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40061		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R40062		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R40063		ERJ14YJ330	M.RESISTOR CH 1/4W 33	1	
R40064		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R40065		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40066		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R40067		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40068		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R40069		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40070		ERJ6GEYJ823	M.RESISTOR CH 1/10W 82K	1	
R40071		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R40072		ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R40073		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R40074		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R40075		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R40076		ERDS1TJ100	C.RESISTOR 1/2W 10	1	
R40077		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R40078		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40079-81		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	3	
R40082		ERJ6GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R40083		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R40084		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R40085		ERJ6GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R40086,87		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R40088		ERJ14YJ220	M.RESISTOR CH 1/4W 22K	1	
R40089		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R40090		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R40091,92		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R40093,94		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	2	
R40095		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40096		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40097		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R40098		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40099		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R40100		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R40101		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40102		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R40103		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R40104		VRE0034E564	M.RESISTOR CH 1/10W 560K	1	
R40105		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R40106		VRE0034E104	M.RESISTOR CH 1/10W 100K	1	
R40107		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40108		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40109		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R40110		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40111		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R40112		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40113		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R40114		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R40115		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40116		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40117		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R40118		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40119		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40120		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R40121		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40122		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40123		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40124		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40125		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R40127		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40128		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R40129		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R40130		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R40131		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R40132		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R40133		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R40134		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40135		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R40136		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40137		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40138		ERJ6GEYJ824	M.RESISTOR CH 1/10W 820K	1	
R40139		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40140		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R40141		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40142		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R40143		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40144		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R40145		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40146		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40147		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R40148		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R40149		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40150		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R40151		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40152		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40153		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R40154		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R40155		ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R40156		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R40157		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R40158		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40159		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R40160		ERJ6GEYJ823	M.RESISTOR CH 1/10W 82K	1	
R40161-63		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R40164		ERJ6GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R40165		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R40166		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R40167		ERJ6GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R40168		ERJ14YJ330	M.RESISTOR CH 1/4W 33	1	
R40169		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R40170		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40171		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R40172		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R40173		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R40174		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R40175		ERDS1TJ100	C.RESISTOR 1/2W 10	1	
R40176		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R40177		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40178-80		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	3	
R40181		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R40182		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40183		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R40184		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R40185		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R40186		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R40187,88		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R40189		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40190		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40191		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40192-99		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	8	
R40200		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40201		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R40202		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R40203		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40204		ERJ6GEYJ560	M.RESISTOR CH 1/10W 56	1	
R40205		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40206		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R40207,08		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R40209,10		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R40211		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40212-15		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	4	
R40216,17		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R40218		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40219,20		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R40221		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40222		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40223		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40224-28		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	
R40229		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R40230		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40231,32		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R40233		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40234		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40235,36		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R40237		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40240,41		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R40242-46		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	5	
R40250		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40251		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40252,53		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R40254		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R40255		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R40256		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
RY40001,02		VSY2074	RELAY	2	
TL40001		VLT0146	TRANSFORMER	1	
TL40002		VLT0143	TRANSFORMER	1	
TL40003,04		VLT0145	TRANSFORMER	2	
TL40005		VLT0146	TRANSFORMER	1	
VR40002,03		EVN32CA00B23	V.RESISTOR 2K	2	
VR40004		EVN32CA00B15	V.RESISTOR 100K	1	
VR40005		EVN32CA00B53	V.RESISTOR 5K	1	
VR40007,08		EVN32CA00B23	V.RESISTOR 2K	2	
VR40009		EVN32CA00B15	V.RESISTOR 100K	1	
VR40010		EVN32CA00B53	V.RESISTOR 5K	1	
VR40011,12		EVN32CA00B23	V.RESISTOR 2K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
E67		VSC3967	SHIELD CASE	1	
E68		VSC3968	SHIELD CASE (MIDDLE)	1	
E69		VSC3969	SHIELD CASE (LOWER)	1	
E71		VSC3971	SHIELD CASE (MIDDLE)	1	
E72		VSC3972	SHIELD CASE (LOWER,BIAS)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP04420D	P.C.BOARD W/COMPONENT		AG-8600E
			AUDIO (1)		
C40001		ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C40003		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40005		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C40009		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40010		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C40011		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40014		ECEA0JGE221	E.CAPACITOR 6.3V 220U	1	
C40015		ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C40016		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40017		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40018		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40019		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40020		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40029		ECSF1EE336	E.CAPACITOR 25V 33U	1	
C40030		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C40031,32		ECSF1CE106	T.CAPACITOR 16V 22U	2	
C40033		ECSF1EE106	T.CAPACITOR 25V 10U	1	
C40034		ECSF1HE105	E.CAPACITOR 50V 1U	1	
C40035		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40036		ECSF1CE336	T.CAPACITOR 16V 33U	1	
C40037		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40038		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40039		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C40040		ECEA1HGE2R2	E.CAPACITOR 50V 2.2U	1	
C40041,42		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	2	
C40043		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40044		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40045		ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40046		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40047		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40048		ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40049		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40050		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40052		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40073		ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C40074		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40077		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C40078		ECSF1EE336	E.CAPACITOR 25V 33U	1	
C40079,80		ECSF1CE106	T.CAPACITOR 16V 22U	2	
C40081		ECSF1EE106	T.CAPACITOR 25V 10U	1	
C40082		ECSF1HE105	E.CAPACITOR 50V 1U	1	
C40083		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40084		ECSF1CE336	T.CAPACITOR 16V 33U	1	
C40085		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40086		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C40087		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40088		ECEA1HGE2R2	E.CAPACITOR 50V 2.2U	1	
C40091		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C40092,93		ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C40094		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C40095		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40096		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C40100		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C40103		ECEA0JGE221	E.CAPACITOR 6.3V 220U	1	
C40104		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40105		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40106		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40107		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40108		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40109		ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C40110		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40111		ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40112		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40113		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40114		ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40115		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40116		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40117		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40139		ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C40140,41		ECEA1CGE101	E.CAPACITOR 16V 100U	2	
C40142		ECEA1HGE220	E.CAPACITOR 50V 22U	1	
C40143		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40144		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C40145		ECEA1VGE330	E.CAPACITOR 50V 33U	1	
C40146		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40147		ECEA1VGE330	E.CAPACITOR 50V 33U	1	
C40148		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C40149		ECEA1HGE010	E.CAPACITOR 50V 1U	1	
C40150		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40151		ECEA1VGE330	E.CAPACITOR 50V 33U	1	
C40152		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40153		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40154		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C40155		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C40156-59		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
D40002		MA151K	DIODE	1	<R>
D40004		MA151K	DIODE	1	<R>
D40007		MA151K	DIODE	1	<R>
D40010		MA151K	DIODE	1	<R>
D40014,15		MA151K	DIODE	2	<R>
D40016		MA151WK	DIODE	1	<R>
D40017		MA151K	DIODE	1	<R>
D40018		MA723	DIODE	1	<R>
D40019		MA165VT	DIODE	1	<R>
FL40001,02		VLF0402	FILTER	2	
IC40001		HA12005	IC	1	<R>
IC40002		NE646N	IC	1	<R>
IC40003		HA12005	IC	1	<R>
IC40004		NE646N	IC	1	<R>
IC40006,07		MN1280R	IC	2	<R>
IC40008		AN360	IC	1	<R>
IC40009		MC14053BF	IC	1	<R>
IC40010-12		MC74HC595AF	IC	3	<R>
IC40013-15		TD62503F	IC	3	<R>
IC40021		TC7S32F	IC	1	<R>
J40005		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J40008,09		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
J40020		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L40008,09		VLQEL06F102K	COIL 1000UH	2	
P40002		VJP1230R	CONNECTOR (MALE) 3P	1	
P40003		VJP1230T	CONNECTOR (MALE) 3P	1	
P40004		VJP3176B064	CONNECTOR (MALE) 64P	1	
Q40008		2SD636	TRANSISTOR	1	<R>
Q40022,23		2SC2405-S	TRANSISTOR	2	<R>
Q40024		2SD1306	TRANSISTOR	1	<R>
Q40032		2SD636	TRANSISTOR	1	<R>
Q40041,42		2SC2405-S	TRANSISTOR	2	<R>
Q40043		2SD1306	TRANSISTOR	1	<R>
Q40045		MSB709-R	TRANSISTOR	1	<R>
Q40046		2SB710A-R	TRANSISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR40008-10	MRN2403	TRANSISTOR	3	<R>
QR40011	MRN1403	TRANSISTOR	1	<R>
QR40012	MRN1402	TRANSISTOR	1	<R>
QR40020-22	MRN2403	TRANSISTOR	3	<R>
QR40023	MRN1403	TRANSISTOR	1	<R>
QR40024	MRN1402	TRANSISTOR	1	<R>
R40010	ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R40011,12	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R40022	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R40024	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R40025	ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R40026,27	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R40028	ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R40029	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40031	VRE0034E564	M.RESISTOR CH 1/10W 560K	1	
R40032	ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R40033	VRE0034E104	M.RESISTOR CH 1/10W 100K	1	
R40034	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40035	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40036	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R40037	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40038	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R40039	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40040	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R40041	ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R40042	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40043	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40045	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40046	ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40048	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R40049	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R40050,51	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R40052	ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R40053	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40054	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40055	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R40056	ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R40057	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40058	ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40059	ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R40102	ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R40104	VRE0034E564	M.RESISTOR CH 1/10W 560K	1	
R40105	ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R40106	VRE0034E104	M.RESISTOR CH 1/10W 100K	1	
R40107	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40108	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40109	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R40110	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40111	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R40112	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40113	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R40114	ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R40115	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40116	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40117	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R40120	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R40121	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40122	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40123	ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40124	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40125	ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R40129	ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R40130	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R40132	ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R40140	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R40141	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40142	ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R40143	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40144	ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R40145	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40146	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R40147	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R40148	ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R40149	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40150	ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R40151	ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40181	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R40182	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40183	ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R40184	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R40185	ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R40186	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R40187,88	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R40189	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R40190	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R40191	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40192-99	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	8	
R40200	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40201	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R40202	ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R40203	ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R40204	ERJ6GEYJ560	M.RESISTOR CH 1/10W 56	1	
R40205	ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R40206	ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R40207	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R40242-46	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	5	
RY40001	VSY2074	RELAY	1	
VR40002,03	EVN32CA00B23	V.RESISTOR 2K	2	
VR40007,08	EVN32CA00B23	V.RESISTOR 2K	2	
		MISCELLANEOUS		
E67	VSC3967	SHIELD CASE	1	
E68	VSC3968	SHIELD CASE (MIDDLE)	1	
E69	VSC3969	SHIELD CASE (LOWER)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP04421C	P.C.BOARD W/COMPONENT		AG-8700E
			AUDIO (2)		
C41001		ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C41002		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C41003,04		ECEA1HGE3R3	E.CAPACITOR 50V 3.3U	2	
C41005		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C41006		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41007		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41008		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41009		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41010		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41011		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41012		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41013		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41014-16		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41017		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41018		ECUM1H104ZFN	C.CAPACITOR 50V 0.1U	1	
C41019		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C41020		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41021,22		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C41023		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41024		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41025		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41026		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C41027		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41028		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C41029		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41030		ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C41031		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C41032,33		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C41034		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41035-37		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C41038		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41039		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C41040		ECUM1H104ZFN	C.CAPACITOR 50V 0.1U	1	
C41041		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41042-44		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41045		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41046		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41047		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41048,49		ECQB1H223JF	P.CAPACITOR 50V 0.022U	2	
C41050		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41051		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41052		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C41053,54		ECEA1EN4R7S	E.CAPACITOR 25V 4.7U	2	
C41055,56		ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C41057		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41058		ECEA1HGE220	E.CAPACITOR 50V 22U	1	
C41059		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41060		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41061		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C41062		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41063,64		ECEA1HGE010	E.CAPACITOR 50V 1U	2	
C41065,66		ECEA1CGE470	E.CAPACITOR 16V 47U	2	
C41067,68		ECEA1CN100S	E.CAPACITOR 16V 10U	2	
C41069,70		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	2	
C41071		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C41072-74		ECEA1CGE470	E.CAPACITOR 16V 47U	3	
C41075		ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C41076		ECEA1VGE330	E.CAPACITOR 35V 33U	1	
C41077		ECEA0JGE101	E.CAPACITOR 6.3V 100U	1	
C41078		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C41079		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41080		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41081		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C41082		ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C41083		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C41084		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41085		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C41086,87		ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C41088		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41089		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41090		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41091		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41092		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41093		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41094-96		ECEA1CGE470	E.CAPACITOR 16V 47U	3	
C41097,98		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C41099		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41100		ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C41101		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C41102,03		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	2	
C41104		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41106-08		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C41109		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41110,11		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C41112,13		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	2	
C41114		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41116		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C41117		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41118		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C41119		ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C41120		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41121		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41122		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41123		ECEA1HGE220	E.CAPACITOR 50V 22U	1	
C41124		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C41130		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
D41001,02		1SS133	DIODE	2	<R>
D41007,08		MA4068M	DIODE	2	<R>
D41009		MA151K	DIODE	1	<R>
D41010,11		MA157	DIODE	2	<R>
D41012,13		MA3030	DIODE	2	<R>
D41014		MA3068	DIODE	1	<R>
D41015,16		MA151K	DIODE	2	<R>
D41017		MA153	DIODE	1	<R>
FL41001		VLF0697	FILTER	1	
IC41001		BA7705K1	IC	1	<R>
IC41002		AN78N05	IC	1	<R>
IC41003		AN3912	IC	1	<R>
IC41004		UPC4558G2	IC	1	<R>
IC41005		UPC393G2	IC	1	<R>
IC41006		MC14053BF	IC	1	<R>
IC41007		UPC4558G2	IC	1	<R>
IC41008		NJM2068MD	IC	1	<R>
IC41009		UPC4558G2	IC	1	<R>
IC41010-12		MC14053BF	IC	3	<R>
IC41013		UPC4558G2	IC	1	<R>
IC41014		MC14053BF	IC	1	<R>
IC41015		UPC4556G2	IC	1	<R>
IC41016,17		AN6558S	IC	2	<R>
L41001-03		VLQEL05S101J	COIL 100UH	3	
L41004-08		VLQEL06F102K	COIL 1000UH	5	
L41009,10		VLQEL05S101J	COIL 100UH	2	
L41011		VLQ0599J120T	COIL	1	
L41012		VLQEL05S101J	COIL 100UH	1	
P41001		VJP3078	CONNECTOR (MALE)	1	
P41002		VJP3529	CONNECTOR	1	
P41003		VJP3176B064	CONNECTOR (MALE) 64P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q41001		2SB709A-R	TRANSISTOR	1	<R>
Q41002,03		2SD1306	TRANSISTOR	2	<R>
Q41004		2SD636-R	TRANSISTOR	1	<R>
Q41005		XN1501	TRANSISTOR-TRANSISTOR	1	<R>
Q41006,07		MSD601-R	TRANSISTOR	2	<R>
Q41008		2SD1306	TRANSISTOR	1	<R>
Q41009		2SD638	TRANSISTOR	1	<R>
Q41010		2SB643	TRANSISTOR	1	<R>
Q41011		2SD1306	TRANSISTOR	1	<R>
Q41012-14		MSD601-R	TRANSISTOR	3	<R>
Q41015		2SD1328-R	TRANSISTOR	1	<R>
Q41016		2SD602A	TRANSISTOR	1	<R>
Q41017,18		2SD1306	TRANSISTOR	2	<R>
Q41019		2SC2404	TRANSISTOR	1	<R>
Q41020		MSC2295-B	TRANSISTOR	1	<R>
Q41021		MSD601-R	TRANSISTOR	1	<R>
Q41022-24		2SD602A-R	TRANSISTOR	3	<R>
Q41025		2SB644	TRANSISTOR	1	<R>
Q41026		2SD639	TRANSISTOR	1	<R>
Q41027		2SC2404	TRANSISTOR	1	<R>
Q41028		MSD601-R	TRANSISTOR	1	<R>
Q41029,30		2SD602A-R	TRANSISTOR	2	<R>
Q41031		2SB644	TRANSISTOR	1	<R>
Q41032		2SD639	TRANSISTOR	1	<R>
Q41033		2SC2404	TRANSISTOR	1	<R>
Q41034		2SD602A-R	TRANSISTOR	1	<R>
Q41035		2SB793	TRANSISTOR	1	<R>
Q41036		2SB710	TRANSISTOR	1	<R>
Q41037		2SD1306	TRANSISTOR	1	<R>
Q41038,39		2SD1328-R	TRANSISTOR	2	<R>
Q41040		2SD1306	TRANSISTOR	1	<R>
Q41041,42		2SD1328-R	TRANSISTOR	2	<R>
Q41043		2SD1306	TRANSISTOR	1	<R>
Q41044,45		2SD1328-R	TRANSISTOR	2	<R>
Q41046		2SD1306	TRANSISTOR	1	<R>
Q41047,48		2SD1328-R	TRANSISTOR	2	<R>
Q41049		2SD601	TRANSISTOR	1	<R>
Q41050		2SD973	TRANSISTOR	1	<R>
Q41051,52		2SD1306	TRANSISTOR	2	<R>
Q41053		2SB709A-R	TRANSISTOR	1	<R>
Q41110,11		2SC1740SX	TRANSISTOR	2	<R>
QR41002,03		MRN2403	TRANSISTOR	2	<R>
QR41004,05		MRN1403	TRANSISTOR	2	<R>
QR41006,07		MRN1404	TRANSISTOR	2	<R>
QR41008		MRN1403	TRANSISTOR	1	<R>
QR41009		MRN2404	TRANSISTOR	1	<R>
QR41010,11		MRN1404	TRANSISTOR	2	<R>
QR41012		MRN1402	TRANSISTOR	1	<R>
R41001,02		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R41003,04		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R41005,06		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R41007		ERJ6GEYJ225	M.RESISTOR CH 1/10W 2.2M	1	
R41008,09		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R41010,11		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	2	
R41012		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R41013		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R41014		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R41015		ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R41016		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R41017		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R41018		ERJ6GEYG303	M.RESISTOR CH 1/10W 30K	1	
R41019		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R41020		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41021		VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R41022		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41023,24		VRE0034E223	M.RESISTOR CH 1/10W 22K	2	
R41025		ERJ6GEYG163	M.RESISTOR CH 1/10W 16K	1	
R41026		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R41027		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41028,29		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R41030		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41031		ERJ6GEYJ823	M.RESISTOR CH 1/10W 82K	1	
R41032		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41033,34		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R41035		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41036,37		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R41038		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R41039		ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41040		ERJ6GEYG303	M.RESISTOR CH 1/10W 30K	1	
R41041		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R41042		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R41043		ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R41044		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R41045		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R41046		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R41047,48		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	2	
R41049		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R41050		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41051		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R41052		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R41053		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41054,55		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R41057		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R41058		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R41059		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R41062		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R41063		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R41064		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R41065		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R41066-71		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	6	
R41072,73		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	2	
R41074		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41075,76		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R41077		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41078		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41079		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R41080		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41081		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R41082		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41083,84		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R41085		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R41086		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R41087		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41088		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41089		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R41090		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41091-94		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	4	
R41095		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R41096		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41097		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	1	
R41098		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R41099		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41100		VRE0034E302	M.RESISTOR CH 1/10W 3K	1	
R41101		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R41102		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41103		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R41104		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41105,06		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R41107,08		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R41109-11		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R41112		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R41113		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R41115		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41116		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R41117		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R41118		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41119		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41120		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R41121		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41122		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R41123		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R41124		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R41125		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R41126		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R41127,28		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	2	
R41129		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R41130		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41131		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41132,33		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	2	
R41134		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R41135		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41136		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41137		ERJ6GEYK1R0	M.RESISTOR CH 1/16W 1.0	1	
R41138		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R41139		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R41140		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41141		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R41142		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R41143		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R41144		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R41145		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41146		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R41147		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R41148		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R41149		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41150		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R41151		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R41152		ERJ6GEYJ3R3	M.RESISTOR CH 1/10W 3.3	1	
R41153		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R41154		ERJ6GEYJ3R3	M.RESISTOR CH 1/10W 3.3	1	
R41155,56		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R41157		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R41158		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R41159,60		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	2	
R41161		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R41162,63		ERJ6GEYJ270	M.RESISTOR CH 1/10W 27	2	
R41164		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R41165		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R41167		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R41168		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R41169		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R41170		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R41171		ERJ6GEYJ3R3	M.RESISTOR CH 1/10W 3.3	1	
R41172		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R41173		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R41174,75		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	2	
R41176		ERJ6GEYJ3R3	M.RESISTOR CH 1/10W 3.3	1	
R41177		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R41178		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R41179,80		ERJ6GEYJ270	M.RESISTOR CH 1/10W 27	2	
R41181,82		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R41183		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R41184		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41185		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41186		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R41187		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R41188		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R41189		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R41190		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41191		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R41192-94		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R41195		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41196		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R41197		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R41198		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R41199		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R41200-03		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R41204		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41205		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R41206		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R41207		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R41208		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41209		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R41210-12		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R41213		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41214		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R41215		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R41216,17		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R41218		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R41219		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41220		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R41221		ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R41222		ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R41223		ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R41224		ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R41226		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R41227-29		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R41230		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R41231		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R41232		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R41233,34		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R41235		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R41236,37		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R41252,53		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	2	
R41254		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R41255		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R41256		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41257		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R41258		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41259		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R41260		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R41261		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R41262		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41263		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R41264		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41265		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
SW41001		ESD145131	SWITCH	1	<R>
VC41001		ECV1ZW20X53T	V.CAPACITOR 20P	1	
VR41001		EVN32CA00B24	VARIABLE 20K	1	
VR41002		EVMF6SA00B14	V.RESISTOR 10K	1	
VR41003		EVN32CA00B23	V.RESISTOR 2K	1	
VR41004		EVN32CA00B15	V.RESISTOR 100K	1	
VR41005		EVN32CA00B24	VARIABLE 20K	1	
VR41006		EVMF6SA00B14	V.RESISTOR 10K	1	
VR41007		EVN32CA00B53	V.RESISTOR 5K	1	
VR41008,09		EVN32CA00B23	V.RESISTOR 2K	2	
VR41012,13		EVN32CA00B23	V.RESISTOR 2K	2	
VR41014		EVN32CA00B53	V.RESISTOR 5K	1	
VR41015,16		EVN32CA00B23	V.RESISTOR 2K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP04421D	P.C.BOARD W/COMPONENT		AG-8600E
			AUDIO (2)		
C41001		ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C41003,04		ECEA1HGE3R3	E.CAPACITOR 50V 3.3U	2	
C41005		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C41006		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41007		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41008		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41009		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41010		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41011		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41012		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41013		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41014-16		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41017		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41018		ECUM1H104ZFN	C.CAPACITOR 50V 0.1U	1	
C41019		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C41020		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41021,22		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C41023		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41024		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41025		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41026		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C41027		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41028		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C41029		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41030		ECEA1VGE330	E.CAPACITOR 50V 33U	1	
C41031		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C41032,33		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C41034		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41035,36		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C41038		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41039		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C41040		ECUM1H104ZFN	C.CAPACITOR 50V 0.1U	1	
C41041		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41042-44		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41045		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41046		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41047		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41048,49		ECQB1H223JF	P.CAPACITOR 50V 0.022U	2	
C41050		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41051		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41052		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C41055,56		ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C41057		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41058		ECEA1HGE220	E.CAPACITOR 50V 22U	1	
C41059		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41060		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C41061		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C41065,66		ECEA1CGE470	E.CAPACITOR 16V 47U	2	
C41067,68		ECEA1CN100S	E.CAPACITOR 16V 10U	2	
C41069,70		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	2	
C41072-74		ECEA1CGE470	E.CAPACITOR 16V 47U	3	
C41075		ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C41077		ECEA0JGE101	E.CAPACITOR 6.3V 100U	1	
C41080		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41082		ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C41084		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41085		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C41086,87		ECEA1HGE100	E.CAPACITOR 50V 10U	2	
C41088		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41089		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41090		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41091		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41092		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41093		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C41094,95		ECEA1CGE470	E.CAPACITOR 16V 47U	2	
C41116		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C41117		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41118		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C41119		ECEA1CGE471	E.CAPACITOR 16V 470U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C41121		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C41122		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C41123		ECEA1HGE220	E.CAPACITOR 50V 22U	1	
C41124		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C41130		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
D41001,02		1SS133	DIODE	2	<R>
D41007,08		MA4068M	DIODE	2	<R>
D41009		MA151K	DIODE	1	<R>
D41010		MA157	DIODE	1	<R>
D41012,13		MA3030	DIODE	2	<R>
D41014		MA3068	DIODE	1	<R>
D41015,16		MA151K	DIODE	2	<R>
D41017		MA153	DIODE	1	<R>
FL41001		VLF0697	FILTER	1	
IC41001		BA7705K1	IC	1	<R>
IC41002		AN78N05	IC	1	<R>
IC41003		AN3912	IC	1	<R>
IC41004		UPC4558G2	IC	1	<R>
IC41005		UPC393G2	IC	1	<R>
IC41006		MC14053BF	IC	1	<R>
IC41007		UPC4558G2	IC	1	<R>
IC41008		NJM2068MD	IC	1	<R>
IC41010-12		MC14053BF	IC	3	<R>
IC41013		UPC4558G2	IC	1	<R>
IC41014		MC14053BF	IC	1	<R>
IC41015		UPC4556G2	IC	1	<R>
IC41016,17		AN6558S	IC	2	<R>
L41001-03		VLQEL05S101J	COIL 100UH	3	
L41004-08		VLQEL06F102K	COIL 1000UH	5	
P41001		VJP3078	CONNECTOR (MALE)	1	
P41003		VJP3176B064	CONNECTOR (MALE) 64P	1	
Q41002,03		2SD1306	TRANSISTOR	2	<R>
Q41006		MSD601-R	TRANSISTOR	1	<R>
Q41008		2SD1306	TRANSISTOR	1	<R>
Q41009		2SD638	TRANSISTOR	1	<R>
Q41010		2SB643	TRANSISTOR	1	<R>
Q41012-14		MSD601-R	TRANSISTOR	3	<R>
Q41015		2SD1328-R	TRANSISTOR	1	<R>
Q41016		2SD602A	TRANSISTOR	1	<R>
Q41017,18		2SD1306	TRANSISTOR	2	<R>
Q41036		2SB710	TRANSISTOR	1	<R>
Q41037		2SD1306	TRANSISTOR	1	<R>
Q41038,39		2SD1328-R	TRANSISTOR	2	<R>
Q41040		2SD1306	TRANSISTOR	1	<R>
Q41041,42		2SD1328-R	TRANSISTOR	2	<R>
Q41043		2SD1306	TRANSISTOR	1	<R>
Q41044,45		2SD1328-R	TRANSISTOR	2	<R>
Q41046		2SD1306	TRANSISTOR	1	<R>
Q41047,48		2SD1328-R	TRANSISTOR	2	<R>
Q41049		2SD601	TRANSISTOR	1	<R>
Q41051,52		2SD1306	TRANSISTOR	2	<R>
Q41053		2SB709A-R	TRANSISTOR	1	<R>
Q41110,11		2SC1740SX	TRANSISTOR	2	<R>
QR41002,03		MRN2403	TRANSISTOR	2	<R>
QR41004		MRN1403	TRANSISTOR	1	<R>
QR41006,07		MRN1404	TRANSISTOR	2	<R>
QR41012		MRN1402	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R41003,04		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R41005,06		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R41007		ERJ6GEYJ225	M.RESISTOR CH 1/10W 2.2M	1	
R41008,09		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R41010,11		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	2	
R41012		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R41013		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R41014		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R41015		ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R41016		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R41017		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R41018		ERJ6GEYG303	M.RESISTOR CH 1/10W 30K	1	
R41019		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R41020		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41021		VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R41022		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41023,24		VRE0034E223	M.RESISTOR CH 1/10W 22K	2	
R41025		ERJ6GEYG163	M.RESISTOR CH 1/10W 16K	1	
R41026		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R41027		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41028,29		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R41030		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41031		ERJ6GEYJ823	M.RESISTOR CH 1/10W 82K	1	
R41032		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41033,34		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R41035		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41038		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R41039		ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R41040		ERJ6GEYG303	M.RESISTOR CH 1/10W 30K	1	
R41041		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R41042		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R41043		ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R41044		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R41045		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R41046		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R41047,48		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	2	
R41049		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R41050		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41051		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R41062		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R41063		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R41064		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R41065		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R41066-71		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	6	
R41072,73		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	2	
R41074		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41075,76		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R41077		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41078		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41082		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41091		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41097		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	1	
R41098		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R41099		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41100		VRE0034E302	M.RESISTOR CH 1/10W 3K	1	
R41101		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R41102		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41103		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R41104		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41105,06		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R41107,08		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R41109-11		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R41112		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R41113		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R41115		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41116		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R41117		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R41118		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41119		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41120		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R41121		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41122		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R41123		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R41124		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R41125		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R41126		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R41127,28		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	2	
R41129		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R41130		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41131		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41132,33		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	2	
R41134		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R41135		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41136		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41149		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41183		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R41184		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41185		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41186		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R41187		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R41188		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R41189		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R41190		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41191		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R41192-94		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R41195		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41196		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R41197		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R41198		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R41199		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R41200-03		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R41204		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41205		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R41206		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R41207		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R41208		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41209		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R41210-12		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R41213		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R41214		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R41215		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R41216,17		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R41218		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R41219		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41220		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R41228,29		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R41230		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R41231		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R41232		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R41233,34		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R41235		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R41236,37		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R41250,51		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R41254		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R41255		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R41256		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41257		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R41258		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41259		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R41260		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R41261		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R41262		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R41263		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R41264		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R41265		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
SW41001		ESD145131	SWITCH	1	<R>
VR41001		EVN32CA00B24	VARIABLE 20K	1	
VR41002		EVMF6SA00B14	V.RESISTOR 10K	1	
VR41004		EVN32CA00B15	V.RESISTOR 100K	1	
VR41005		EVN32CA00B24	VARIABLE 20K	1	
VR41006		EVMF6SA00B14	V.RESISTOR 10K	1	
VR41012,13		EVN32CA00B23	V.RESISTOR 2K	2	
VR41014		EVN32CA00B53	V.RESISTOR 5K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP05162N	P.C.BOARD W/COMPONENT HEAD AMP		AG-8700E
C5001		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5002,03		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C5004		ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C5005		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5006-08		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C5009		ECUM1H182JN	C.CAPACITOR CH 50V 1800P	1	
C5010		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5011		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C5012		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C5013		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5014		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5015		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5016		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5017		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C5018,19		ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	2	
C5020		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5021		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C5022		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5023		ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C5024,25		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5026		ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C5027		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5028		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5029		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5030		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C5031		ECUM1H104ZFN	C.CAPACITOR 50V 0.1U	1	
C5032,33		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5034		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5035		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5036		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C5037,38		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C5039,40		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C5042		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5043		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5044,45		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C5046		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5047		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5048		ECUM1H472ZFN	C.CAPACITOR CH 50V 4700P	1	
C5056		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C5066		ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
D5001,02		MA151K	DIODE	2	<R>
D5004		MA151K	DIODE	1	<R>
IC5001		AN3334K	IC	1	<R>
IC5002		BA7740FS	IC	1	<R>
L5001-04		VLQ0460	COIL	4	
P5001		VJP3091	CONNECTOR (MALE)	1	
P5002		VJS2603	CONNECTOR (FEMALE)	1	
P5003		VJP3091	CONNECTOR (MALE)	1	
Q5001		MSB709-R	TRANSISTOR	1	<R>
Q5002		MSC2295-B	TRANSISTOR	1	<R>
Q5003		XN4504	TRANSISTOR-TRANSISTOR	1	<R>
Q5004,05		MSC2295-B	TRANSISTOR	2	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR5001		MRN1404	TRANSISTOR	1	<R>
R5001		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R5002		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R5003		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5004		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R5005		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5006		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5007		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R5008		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R5009		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R5010		ERJ6GEYK1R0	M.RESISTOR CH 1/16W 1.0	1	
R5011-14		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	4	
R5015-18		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	4	
R5019		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R5020,21		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R5022		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5026		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5027		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R5028		ERJ6GEYG243	M.RESISTOR CH 1/10W 24K	1	
R5029		ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R5030		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R5031		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5032		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R5033		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R5034		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R5036		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5037,38		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R5039		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5040		ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R5041-43		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	3	
R5044,45		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R5046,47		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R5058		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5059		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R5061		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5062		ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R5070		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
VR5001,02		EVN32CA00B23	V.RESISTOR 2K	2	
			MISCELLANEOUS		
E64		VSC3119	SHIELD COVER (MIDDLE)	1	
E65		VSC3039	SHIELD COVER (FRONT)	1	
E66		VSC3040	SHIELD COVER (REAR)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP05162P	P.C.BOARD W/COMPONENT HEAD AMP		AG-8600E
C5001		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5002,03		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C5004		ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C5005		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5006		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C5010		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5013		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5014		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5015		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5016		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5017		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C5018,19		ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	2	
C5020		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5021		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C5022		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5023		ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C5024,25		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5026		ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	
C5027		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5028		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5029		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5032,33		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5034		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5035		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5036		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C5037		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C5039		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C5042		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5043		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5044,45		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C5046		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5047		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5048		ECUM1H472ZFN	C.CAPACITOR CH 50V 4700P	1	
C5066		ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
D5001,02		MA151K	DIODE	2	<R>
IC5001		AN3334K	IC	1	<R>
IC5002		BA7740FS	IC	1	<R>
L5001		VLQ0460	COIL	1	
L5003		VLQ0460	COIL	1	
P5001		VJP3091	CONNECTOR (MALE)	1	
P5002		VJS2603	CONNECTOR (FEMALE)	1	
P5003		VJP3091	CONNECTOR (MALE)	1	
Q5001		MSB709-R	TRANSISTOR	1	<R>
Q5003		XN4504	TRANSISTOR-TRANSISTOR	1	<R>
Q5005		MSC2295-B	TRANSISTOR	1	<R>
QR5001		MRN1404	TRANSISTOR	1	<R>
R5001		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R5002		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R5003		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5004		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R5005		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5006		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5007		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R5010		ERJ6GEYK1R0	M.RESISTOR CH 1/16W 1.0	1	
R5011-14		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	4	
R5015-18		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	4	
R5019		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R5022		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5026		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5027		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R5028		ERJ6GEYG243	M.RESISTOR CH 1/10W 24K	1	
R5029		ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R5030		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R5031		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5032		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R5034		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R5036		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5037,38		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R5039		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5041		ERJ6GEYJ180	M.RESISTOR CH 1/10W 18	1	
R5042,43		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R5044,45		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R5046,47		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R5059		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
			MISCELLANEOUS		
E64		VSC3119	SHIELD COVER (MIDDLE)	1	
E65		VSC3039	SHIELD COVER (FRONT)	1	
E66		VSC3040	SHIELD COVER (REAR)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP06902H	P.C.BOARD W/COMPONENT		AG-8700E
		FRONT		
	VEP06929A	P.C.BOARD W/COMPONENT		
		FRONT LED		ON VEP06902H
	VEP06962A	P.C.BOARD W/COMPONENT		
		KEY BOARD		ON VEP06902H
C62002	ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C62003	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C62004,05	ECEA1HKS220	E.CAPACITOR 50V 22U	2	
C62007	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C62008-10	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	3	
C62011	ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C62012	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C62013	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C62014	ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C62015,16	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
D62002	MA4056-M	DIODE	1	<R>
D62013-16	MA151K	DIODE	4	<R>
D62018-22	MA151K	DIODE	5	<R>
D62023-28	MA153	DIODE	6	<R>
D62029-31	MA152K	DIODE	3	<R>
D62032-35	MA151K	DIODE	4	<R>
D62036	MA701A	DIODE	1	<R>
D62047	MA152K	DIODE	1	<R>
D62048	MA151K	DIODE	1	<R>
D62050	MA151K	DIODE	1	<R>
D62701-09	MA165VT	DIODE	9	<R>
DP62001	VSL0312	DIODE	1	
IC62001	UPD75236J025	IC	1	<R>
IC62002	UPC393G2	IC	1	<R>
IC62003	MN1382-R	IC	1	
J62002	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J62004,05	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
J62007	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L62001	VLQEL05K121K	COIL	1	
LD62010,11	LN31GCPHLG4	COIL	2	
P62001-04	VJP3503	CONNECTOR	4	
P62005	VJP1236T	CONNECTOR (MALE) 9P	1	
P62006	VJS2949B010	CONNECTOR (FEMALE) 10P	1	
P62007	VJP3076	CONNECTOR	1	
P62008	VJP3093	CONNECTOR (MALE)	1	
P62009	VJS2889A018	CONNECTOR	1	
P62501	VJS2949B010	CONNECTOR (FEMALE) 10P	1	
P62701	VJS2949B018	CONNECTOR	1	
Q62002-05	MSD601-R	TRANSISTOR	4	<R>
Q62006-09	MSB710-R	TRANSISTOR	4	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR62001	MRN1404	TRANSISTOR	1	<R>
R62001	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R62003	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R62004-11	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	8	
R62012-19	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	8	
R62020-24	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	5	
R62025	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R62026-36	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	11	
R62037-40	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	4	
R62041	ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R62042-52	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	11	
R62059	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R62070,71	ERJ14YJ330	M.RESISTOR CH 1/4W 33	2	
R62076-79	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	4	
R62080	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R62081	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R62082	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R62083	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R62084	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R62085	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R62086	ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R62087	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R62088,89	ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	2	
R62090	ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R62091	ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R62092,93	ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	2	
R62094	ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R62095,96	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R62097-41	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	5	
R62102,13	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R62104	ERJ14YJ470	M.RESISTOR CH 1/4W 47	1	
R62105-17	ERJ14YJ330	M.RESISTOR CH 1/4W 33	3	
R62108	ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R62109	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R62110-12	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	3	
R62701-03	ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R62704	ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R62705-09	ERDS2TJ560	C.RESISTOR 1/4W 56	5	
SW62010-13	EVQQJ104K	SWITCH	4	<R>
SW62014,15	VSS0225	SWITCH	2	<R>
SW62016,17	VSS0324	SWITCH	2	<R>
SW62018-20	VSS0225	SWITCH	3	<R>
SW62021	VSS0324	SWITCH	1	<R>
SW62022,23	VSS0225	SWITCH	2	<R>
SW62501	VSP0151	SWITCH	1	<R>
SW62502-04	VSP0780	SWITCH	3	<R>
SW62701	VSP0791	SWITCH	1	<R>
SW62702	VSP0792	SWITCH	1	<R>
SW62703	VSP0788	SWITCH	1	<R>
SW62704	VSP0794	SWITCH	1	<R>
SW62705	VSP0790	SWITCH	1	<R>
SW62706	VSP0793	SWITCH	1	<R>
SW62707	VSP0795	SWITCH	1	<R>
SW62708	VSP0789	SWITCH	1	<R>
SW62709	VSP0795	SWITCH	1	<R>
X62001	VSX0140	CRYSTAL OSCILLATOR	1	<R>
		MISCELLANEOUS		
E43	VMX0985	SPACER	1	
E73	VJF0960	HOLDER	1	
E74	VMX2062	LED SPACER	2	
E76	VMS4950	P.C.BOARD POST	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
E79	XYN26+C5FR	SCREW	14	
E77	VWJ10SW050L0	FLAT CABLE	1	
E78	VWJ18XW040L1	FLEXIBLE WIRE	1	
E75	VMS5528	P.C.B. SUPORT	5	
	VGF0506	SHIELD SHEET	1	
	VKC0295	BOARD SPACER	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP06902G	P.C.BOARD W/COMPONENT		AG-8600E
		FRONT		
	VEP06929B	P.C.BOARD W/COMPONENT		
		FRONT LED		ON VEP06902G
	VEP06962B	P.C.BOARD W/COMPONENT		
		KEY BOARD		ON VEP06902G
C62002	ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C62003	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C62004,05	ECEA1HKS220	E.CAPACITOR 50V 22U	2	
C62007	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C62008-10	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	3	
C62011	ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C62012	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C62013	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C62014	ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C62015,16	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
D62002	MA4056-M	DIODE	1	<R>
D62013-16	MA151K	DIODE	4	<R>
D62018-22	MA151K	DIODE	5	<R>
D62023-28	MA153	DIODE	6	<R>
D62029-31	MA152K	DIODE	3	<R>
D62032-35	MA151K	DIODE	4	<R>
D62036	MA701A	DIODE	1	<R>
D62047	MA152K	DIODE	1	<R>
D62050	MA151K	DIODE	1	<R>
D62701-07	MA165VT	DIODE	7	<R>
DP62001	VSL0312	DIODE	1	
IC62001	UPD75236J025	IC	1	<R>
IC62002	UPC393G2	IC	1	<R>
IC62003	MN1382-R	IC	1	
J62002	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J62004-07	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
L62001	VLQEL05K121K	COIL	1	
LD62010,11	LN31GCPHLG4	COIL	2	
P62001-04	VJP3503	CONNECTOR	4	
P62005	VJP1236T	CONNECTOR (MALE) 9P	1	
P62006	VJS2949B010	CONNECTOR (FEMALE) 10P	1	
P62007	VJP3076	CONNECTOR	1	
P62008	VJP3530	CONNECTOR	1	
P62009	VJS2889A018	CONNECTOR	1	
P62501	VJS2949B010	CONNECTOR (FEMALE) 10P	1	
P62701	VJS2949B018	CONNECTOR	1	
Q62002-05	MSD601-R	TRANSISTOR	4	<R>
Q62006-08	MSB710-R	TRANSISTOR	3	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR62001		MRN1404	TRANSISTOR	1	<R>
R62001		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R62003		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R62004-11		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	8	
R62012-19		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	8	
R62020-24		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	5	
R62025		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R62026-36		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	11	
R62037-40		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	4	
R62041		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R62042-52		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	11	
R62059		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R62070,71		ERJ14YJ330	M.RESISTOR CH 1/4W 33	2	
R62076-79		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	4	
R62080		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R62081		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R62082		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R62083		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R62084		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R62085		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R62088,89		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	2	
R62090		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R62091		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R62092,93		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	2	
R62094		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R62095,96		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R62097-01		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	5	
R62102,03		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R62108		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R62109		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R62110-12		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	3	
R62701-03		ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R62704		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R62705-07		ERDS2TJ560	C.RESISTOR 1/4W 56	3	
SW62010-13		EVQQJ104K	SWITCH	4	<R>
SW62014,15		VSS0225	SWITCH	2	<R>
SW62016		VSS0324	SWITCH	1	<R>
SW62017,18		VSS0225	SWITCH	2	<R>
SW62020		VSS0225	SWITCH	1	<R>
SW62021		VSS0324	SWITCH	1	<R>
SW62022,23		VSS0225	SWITCH	2	<R>
SW62501-04		VSP0829	SWITCH	4	<R>
SW62701		VSP0791	SWITCH	1	<R>
SW62702		VSP0792	SWITCH	1	<R>
SW62703		VSP0788	SWITCH	1	<R>
SW62704		VSP0794	SWITCH	1	<R>
SW62705		VSP0790	SWITCH	1	<R>
SW62706		VSP0793	SWITCH	1	<R>
SW62707		VSP0795	SWITCH	1	<R>
X62001		VSX0140	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E43		VMX0985	SPACER	1	
E73		VJF0960	HOLDER	1	
E74		VMX2062	LED SPACER	2	
E76		VMS4950	P.C.BOARD POST	2	
E79		XYN26+C5FR	SCREW	14	
E77		VWJ10SW050L0	FLAT CABLE	1	
E78		VWJ18XW040L1	FLEXIBLE WIRE	1	
E75		VMS5528	P.C.B. SUPORT	5	
		VKC0295	BOARD SPACER		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP06904E	P.C.BOARD W/COMPONENT		AG-8700E
			SERVO & SYSCON		
C1501		ECEA1VGE220	E.CAPACITOR 35V 220U	1	
C1502		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1503		ECEA1DPS681	E.CAPACITOR 20V 680U	1	
C1504		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1505		ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1506		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C1507		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C1508		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1509,10		ECEA1CU101	E.CAPACITOR 16V 100U	2	
C1511		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C1512		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C1513		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C1514		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C1515		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C1517		ECEA1AU221	E.CAPACITOR 10V 220U	1	
C1518		ECEA1VU100	E.CAPACITOR 35V 10U	1	
C1519		ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1520		ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1521		ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1522		ECEA1CGE102	E.CAPACITOR 16V 1000U	1	
C1523		ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1524		ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1525		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1526		ECEA1AGE471	E.CAPACOTOR 10V 47U	1	
C1527		ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1529		ECEA1EGE471	E.CAPACITOR 25V 470U	1	
C1530		ECEA1VGE220	E.CAPACITOR 35V 220U	1	
C1531		ECA0JFQ102	E.CAPACITOR 6.3V 1000U	1	
C1532		ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1533		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C1534		ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1541		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1542		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2001		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2002		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2003		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2004		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2005		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2006		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2007		ECEA1AU330	E.CAPACITOR 10V 33U	1	
C2008		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2009		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2010		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2011		ECEA1AU220	E.CAPACITOR 10V 22U	1	
C2012		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2013-15		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2016,17		ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2018		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2019		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2020		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2021		ECQB1H152JF	P.CAPACITOR 50V 1500P	1	
C2022		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2023		ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2024		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2025		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2026		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2027		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2028		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2029		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C2030		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C2031		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C2032		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2033,34		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C2035		ECEA1HUR47	E.CAPACITOR 50V 0.47U	1	
C2044,45		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C2046		ECEA1HUR47	E.CAPACITOR 50V 0.47U	1	
C2047		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2050		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2201		ECEA0JGE470	E.CAPACITOR 6.3V 47U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2202,03		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C2204,05		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C2206		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2207,08		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C2209,10		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C2214		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2215		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2216		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2217,18		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C2219		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2220,21		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C2222		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2223,24		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C2225		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2226		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2227		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2228-30		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2231		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2232-34		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2235		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2236		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2237,38		ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2239-41		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2243		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2244		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C2245-47		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2318,19		ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2320		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2321		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2322		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	1	
C2323		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2327,28		ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2330		ECQP1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2331		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2335,36		ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2338		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2339		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2340-44		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	5	
C2350		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2351		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2352,53		ECEA1CU470	E.CAPACITOR 16V 47U	2	
C2354		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2355		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2401,02		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C2403		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2404,05		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C2406-09		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	4	
C2410		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2501		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2502		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2503		ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C2504		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2510		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2512-14		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2516-19		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	4	
C2701		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C2702		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2703		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2704		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C2705		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2709		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2710		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2711		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2712		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2714		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2716,17		ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2718		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2722		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2723		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2724		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2725		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2726		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2727-30		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	4	
C2731-33		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	3	
C2734		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2735		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2736		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2737		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2738		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2739		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2740		ECEA1EU470	E.CAPACITOR 25V 47U	1	
C2741		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2742		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2744-46		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	3	
C2747-50		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2751-53		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2754		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2755-57		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	3	
C2758		ECEA1HNR47S	E.CAPACITOR 50V 0.47U	1	
C2759		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2760		ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C2761		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2762		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C2763		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2764		ECEA0JU220	E.CAPACITOR 6.3V 22U	1	
C2765		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2766		ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C2767		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2768		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C2769,70		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	2	
C2793		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C2804,05		ECEA1EU472	E.CAPACITOR 25V 4700U	2	
C2806		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C60001		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C60002,03		ECEA1CU102	E.CAPACITOR 16V 1000U	2	
C60005		ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60006		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C60007		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C60008		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C60009		ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60010		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C60011		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C60012		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C60013		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C60016		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C60017		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C60018,19		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C60020		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C60021		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C60022		ECEA1AU220	E.CAPACITOR 10V 22U	1	
C60023		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C60024		ECEA0JU682	E.CAPACITOR 6.3V 6800U	1	
C60026		ECUM1H104ZFN	C.CAPACITOR 50V 0.1U	1	
C60027		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C60101		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C60102		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C60103-06		ECQB1H102JF	P.CAPACITOR 50V 1000P	4	
C60107		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C60108		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C60109		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C60110,11		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C60112		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C60501		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C60502		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C60503		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C60504		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C60505		ECEA1EN101S	E.CAPACITOR 25V 100U	1	
C60506		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C60507		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C60508,09		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
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D1525,26		MA723VT	DIODE	2	<R>
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D1530		MA4075M	DIODE	1	<R>
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D2001		MA151K	DIODE	1	<R>
D2002		MA151WA	DIODE	1	<R>
D2003		MA151K	DIODE	1	<R>
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D2007,08		MA151K	DIODE	2	<R>
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D2309		MA151WK	DIODE	1	<R>
D2310		MA153	DIODE	1	<R>
D2401		MA151K	DIODE	1	<R>
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FA2202		VLF1036D101	FILTER	1	
FL2201-06		VLF0634	FILTER	6	
FL60001		VLF0630	FILTER	1	
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IC2003		BA226F	IC	1	<R>
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IC2013		LM358PS	IC	1	<R>
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IC2203		PCM55HP	IC	1	<R>
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IC60503		MN1382-R	IC	1	
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J2202		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2204,05		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
J2207-12		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	
J60001		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J60003		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J60005,06		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
K1501		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
K1502		ERDS2T0	C.RESISTOR 1/4W 0	1	
L1501		VLQEL06R101K	COIL	1	
L1502,03		VLP0074	COIL	2	
L2001,02		VLQEL05S470J	COIL 47UH	2	
L2004-06		VLQEL05S470J	COIL 47UH	3	
L2007		VLP0054	COIL	1	
L2008		VLQEL05S470J	COIL 47UH	1	
L2201,02		VLQEL05S2R2K	COIL 2.2UH	2	
L2203-05		VLP0054	COIL	3	
L2206,07		VLQEL05S2R2K	COIL 2.2UH	2	
L2208		VLQEL05S470J	COIL 47UH	1	
L2301-04		VLQEL05S470J	COIL 47UH	4	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L2401		VLQEL05S470J	COIL 47UH	1	
L2502		VLQEL05S470J	COIL 47UH	1	
L2701		VLQ0128	COIL 47UH	1	
L2702-04		VLQ0129	COIL 300UH	3	
L2705		VLQEL05S470J	COIL 47UH	1	
L2707		VLQEL05S470J	COIL 47UH	1	
L2711		VLQEL05S470J	COIL 47UH	1	
L60001		VLQEL05S471K	COIL 470UH	1	
L60002		VLQEL05S470J	COIL 47UH	1	
L60501		VLQEL05S150K	COIL 15UH	1	
P1501		VJP1146	CONNECTOR	1	
P1502		VJP3076	CONNECTOR	1	
P1503		VJP1147	CONNECTOR (MALE) 12P	1	
P2201-03		VJS3202B020Z	CONNECTOR (FEMALE) 20P	3	
P2301		VJP1230T	CONNECTOR (MALE) 3P	1	
P2701		VJP3078	CONNECTOR (MALE)	1	
P2702		VJP3083	CONNECTOR (MALE)	1	
P2703		VJS2149W	CONNECTOR (FEMALE)	1	
P60001		VJP1230R	CONNECTOR (MALE) 3P	1	
P60003		VJS3135	CONNECTOR (FEMALE)	1	
P60501		VJS2149W	CONNECTOR (FEMALE)	1	
P60502		VJP1230T	CONNECTOR (MALE) 3P	1	
P60503		VJS3134	CONNECTOR	1	
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Q2001		MSC2295-B	TRANSISTOR	1	<R>
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Q2703		MSB709-R	TRANSISTOR	1	<R>
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Q2705-07		2SD601A-R	TRANSISTOR	3	<R>
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Q60501-03		MSD601-R	TRANSISTOR	3	<R>
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QR2005		MRN1404	TRANSISTOR	1	<R>
QR2304,05		MRN2402	TRANSISTOR	2	<R>
QR2306		MRN1404	TRANSISTOR	1	<R>
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QR2501-05		MRN1404	TRANSISTOR	5	<R>
QR2701		MRN1404	TRANSISTOR	1	<R>

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QR2702		MRN2404	TRANSISTOR	1	<R>
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QR60006-08		MRN1404	TRANSISTOR	3	<R>
QR60010		MRN1404	TRANSISTOR	1	<R>
QR60012		UN2219	TRANSISTOR	1	<R>
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QR60502		UN211F	TRANSISTOR	1	<R>
QR60503		MRN1404	TRANSISTOR	1	<R>
R1501		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1502		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R1504		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1505		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R1506		VRE0034E473	M.RESISTOR CH 1/10W 47K	1	
R1507		VRE0034E222	M.RESISTOR CH 1/10W 2.2K	1	
R1509		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R1510		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R1511		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R1512-14		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R1515		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1516-18		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R1519		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R1520		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R1521		ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R1522		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1525		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1526,27		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R1528,29		ERDS2TJ181	C.RESISTOR 1/4W 180	2	
R1531		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R1532		VRE0034E562	M.RESISTOR CH 1/10W 5.6K	1	
R1533		VRE0034E392	M.RESISTOR CH 1/10W 3.9K	1	
R1534		VRE0034E222	M.RESISTOR CH 1/10W 2.2K	1	
R1535		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R1536		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R1541,42		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2001		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2002		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2003,04		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	2	
R2005-07		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R2008		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2009,10		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R2013		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2017,18		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2019		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R2020		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2021		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R2022		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2023		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2024,25		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2026		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R2027		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2028		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2029		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2030		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2031		ERJ6GEYG241	M.RESISTOR CH 1/10W 240	1	
R2032		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2033		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2035,36		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R2047		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2048		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2049		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2051		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2054-56		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	3	
R2059,60		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R2062		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2064		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2066,67		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
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R2202		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2203		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R2205,06		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R2207		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2208		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2211		ERJ6GEYG473	M.RESISTOR CH 1/10W 47K	1	
R2212		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2213-18		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	6	
R2220-23		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	4	
R2240		ERJ6GEYG473	M.RESISTOR CH 1/10W 47K	1	
R2241		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2242		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2331		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2332		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R2333		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2334		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2335		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R2336		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R2337		ERJ6GEYG242	M.RESISTOR CH 1/10W 2.4K	1	
R2338		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R2339		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2340,41		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	2	
R2342		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R2343		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2344		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2345		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R2346		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2347		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R2352		ERJ6GEYJ752	M.RESISTOR CH 1/10W 7.5K	1	
R2353,54		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2355		ERJ6GEYJ752	M.RESISTOR CH 1/10W 7.5K	1	
R2356		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2357,58		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R2359		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2360,61		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R2362		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2363		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R2364		ERJ6GEYG913	M.RESISTOR CH 1/10W 91K	1	
R2370,71		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2372		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R2373		ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2374		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2375		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2376		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R2377		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2378		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R2379		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2380		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2381		ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R2401		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2402,03		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R2404,05		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R2406		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2407,08		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R2409		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2410		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2411		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2501		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2502		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R2503		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R2504		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R2505		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R2506		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R2507-10		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	4	
R2511-15		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	5	
R2516		ERJ6GEYG393	M.RESISTOR CH 1/10W 39K	1	
R2517		ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R2518-20		ERJ6GEYG124	M.RESISTOR CH 1/10W 120K	3	
R2521		ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R2522		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2523,24		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R2701		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2709,10		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2711		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R2712		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2713		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2714-17		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R2718		ERG2SJ561	M.RESISTOR 2W 560	1	
R2719		ERDS2TJ270	C.RESISTOR 1/4W 27	1	
R2725		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R2727		ERDS2TJ150	C.RESISTOR 1/4W 15	1	
R2729		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2730		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2731		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2732		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R2733		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2734		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2735		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2736		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R2738,39		ERDS2TJ150	C.RESISTOR 1/4W 15	2	
R2740		ERX12SJR68	M.RESISTOR CH 1/2W 0.68	1	
R2743		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R2747		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2748		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R2751		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2752-54		ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2755		ERX12SJR47	M.RESISTOR CH 1/2W 0.47	1	
R2756		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R2757		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2758		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2759		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2760		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R2761,62		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2763,64		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R2765		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2766		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2767		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2768		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R2769,70		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2771,72		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R2773,74		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2775		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2776		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2777		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R2778-82		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	
R2783		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2784		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2785		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2786,87		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2788		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2789		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2790		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R2791		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2792		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2793		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2794		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2795		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R2796		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2799,00		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R2803		ERG2SJ221	M.RESISTOR 2W 220	1	
R2821		ERDS2TJ682	C.RESISTOR 1/4W 6.8K	1	
R2828,29		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R2830		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2831		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R2832		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R2833		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2834		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2835		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2836		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2838,39		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2840		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2841		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2842,43		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2844		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2845		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2846-48		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	3	
R2849		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2850		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R2862,63		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R60001		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60002		ERD2FCG220	C.RESISTOR 2W 22	1	<!>
R60003		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60004		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R60005		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R60006		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60007		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R60008		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60009		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R60010		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R60011		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R60012		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R60013		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R60015		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60016		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R60017,18		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R60019		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R60020		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R60021-24		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R60025		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R60026-29		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R60030		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R60031		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60032-35		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	4	
R60037		ERD2FCJ4R7	C.RESISTOR 2W 4.7	1	<!>
R60038		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60039		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R60040		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R60043,44		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	2	
R60045		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60047		ERG1SJ330	M.RESISTOR 1W 33	1	
R60048,49		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R60050		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R60055		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60056		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R60057		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R60058		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R60059		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60060		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R60101		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R60102		ERJ6GEYG302	M.RESISTOR CH 1/10W 3K	1	
R60103-05		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R60106		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R60107		ERJ6GEYJ823	M.RESISTOR CH 1/10W 82K	1	
R60108-11		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R60501		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R60502,03		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	2	
R60504		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R60505		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R60506		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R60507,08		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R60509		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R60510,11		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R60512		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R60513		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R60514		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R60515		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R60516		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R60517,18		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R60519		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R60520,21		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R60522		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R60523		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R60524		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60525		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R60526		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R60527,28		ERG1SJ300	M.RESISTOR 1W 30	2	
R60529		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R60530		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
T1501		ETE13K86AY	TRANSFORMER	1	
T60001		EIQ7QF002B	TRANSFORMER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR2001		EVN32CA00B54	V.RESISTOR 50K	1	
VR2003		EVN32CA00B15	V.RESISTOR 100K	1	
X2001		VSX0296	CRYSTAL OSCILLATOR	1	<R>
X2002		VSX0066	CRYSTAL OSCILLATOR	1	<R>
X2201		VSX0197	CRYSTAL OSCILLATOR	1	<R>
X2401		VSX0086	CRYSTAL OSCILLATOR	1	<R>
X2701		VSX0136	CRYSTAL OSCILLATOR	1	<R>
X60001		VSX0230	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E43		VMX0985	SPACER	2	
E52		XYN3+F8	SCREW	2	
E80		VSC4042	HEAT SINK	2	
E82		VMC0493	HEAT SINK SPRING	1	
E84		VMC0075	HEAT SINK SPRING	1	
E83		VSC1215	HEAT SINK	1	
E42		VJF0816	CORD CLAMPER	1	
		VWJ18AW105M1	FLEXIBLE WIRE	1	
		VWJ04CN150CA	FLAT CABLE	1	
E81		VSC1689	HEAT SINK	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP06904F	P.C.BOARD W/COMPONENT		AG-8600E
			SERVO & SYSCON		
C1501		ECEA1VGE220	E.CAPACITOR 35V 220U	1	
C1502		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1503		ECEA1DPS681	E.CAPACITOR 20V 680U	1	
C1504		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1505		ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1506		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C1507		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C1508		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1509,10		ECEA1CU101	E.CAPACITOR 16V 100U	2	
C1511		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C1512		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C1513		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C1514		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C1515		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C1517		ECEA1AU221	E.CAPACITOR 10V 220U	1	
C1518		ECEA1VU100	E.CAPACITOR 35V 10U	1	
C1519		ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1520		ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1521		ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1522		ECEA1CGE102	E.CAPACITOR 16V 1000U	1	
C1523		ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1524		ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1525		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1526		ECEA1AGE471	E.CAPACOTOR 10V 47U	1	
C1527		ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1529		ECEA1EGE471	E.CAPACITOR 25V 470U	1	
C1530		ECEA1VGE220	E.CAPACITOR 35V 220U	1	
C1531		ECA0JFQ102	E.CAPACITOR 6.3V 1000U	1	
C1532		ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1533		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C1534		ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1541		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1542		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2001		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2002		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2003		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2004		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2005		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2006		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2007		ECEA1AU330	E.CAPACITOR 10V 33U	1	
C2008		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2009		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2010		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2011		ECEA1AU220	E.CAPACITOR 10V 22U	1	
C2012		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2013-15		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2016,17		ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2018		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2019		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2020		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2021		ECQB1H152JF	P.CAPACITOR 50V 1500P	1	
C2022		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2023		ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2025		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2027		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2028		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2029		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C2030		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C2031		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C2032		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2033,34		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C2035		ECEA1HUR47	E.CAPACITOR 50V 0.47U	1	
C2044,45		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C2047		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2050		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2201		ECEA0JGE470	E.CAPACITOR 6.3V 47U	1	
C2202,03		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C2204,05		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C2206		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2207,08		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C2209,10		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C2214		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2215		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2216		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2217,18		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C2219		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2220,21		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C2222		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2223,24		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C2225		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2226		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2227		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2228-30		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2231		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2232-34		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2235		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2236		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2237,38		ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2239-41		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2243		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2244		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C2245-47		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2318,19		ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2320		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2321		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2322		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	1	
C2323		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2327,28		ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2330		ECQP1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2331		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2335,36		ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2338		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2339		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2340-42		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2401,02		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C2403		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2404,05		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C2406-09		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	4	
C2410		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2501		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2502		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2503		ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C2504		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2510		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2512-14		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2516-19		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	4	
C2701		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C2702		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2703		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2704		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C2705		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2709		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2710		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2711		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2712		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2714		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2716,17		ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2718		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2722		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2723		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2724		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2725		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2726		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2727-30		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	4	
C2731-33		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	3	
C2734		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2735		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2736		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2737		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C2738		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2739		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2740		ECEA1EU470	E.CAPACITOR 25V 47U	1	
C2741		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2742		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2744-46		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	3	
C2747-50		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2751-53		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	3	
C2754		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2755-57		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	3	
C2758		ECEA1HNR47S	E.CAPACITOR 50V 0.47U	1	
C2759		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2760		ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C2761		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2762		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C2763		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2764		ECEA0JU220	E.CAPACITOR 6.3V 22U	1	
C2765		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2766		ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C2767		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2768		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C2769,70		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	2	
C2793		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C2804,05		ECEA1EU472	E.CAPACITOR 25V 4700U	2	
C2806		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C60001		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C60002,03		ECEA1CU102	E.CAPACITOR 16V 1000U	2	
C60005		ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60006		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C60007		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C60008		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C60009		ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60016		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C60018,19		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C60020		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C60021		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C60022		ECEA1AU220	E.CAPACITOR 10V 22U	1	
C60023		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C60024		ECEA0JU682	E.CAPACITOR 6.3V 6800U	1	
C60026		ECUM1H104ZFN	C.CAPACITOR 50V 0.1U	1	
C60027		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C60101		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C60102		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C60103-06		ECQB1H102JF	P.CAPACITOR 50V 1000P	4	
C60107		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C60108		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C60109		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C60110,11		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C60112		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C60501		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C60502		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C60503		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C60504		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C60505		ECEA1EN101S	E.CAPACITOR 25V 100U	1	
C60506		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C60507		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C60508,09		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
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D1510		MA165VT	DIODE	1	<R>
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D1514		MA1270-M	DIODE	1	<R>
D1515		MA185	DIODE	1	<R>
D1516		MA4075M	DIODE	1	<R>
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D1519,20		MA151K	DIODE	2	<R>
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D1524		MA4047M	DIODE	1	<R>
D1525,26		MA723VT	DIODE	2	<R>
D1528		MA4056M	DIODE	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
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D1541		MA3091-M	DIODE	1	<R>
D1542		MA4039	DIODE	1	<R>
D1543,44		MA151K	DIODE	2	<R>
D2002		MA151WA	DIODE	1	<R>
D2003		MA151K	DIODE	1	<R>
D2006		MA151WA	DIODE	1	<R>
D2007,08		MA151K	DIODE	2	<R>
D2308		MA151K	DIODE	1	<R>
D2309		MA151WK	DIODE	1	<R>
D2401		MA151K	DIODE	1	<R>
D2501,02		MA151K	DIODE	2	<R>
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D2704		11DQ04	DIODE	1	<R>
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D2715,16		11DQ04	DIODE	2	<R>
D2717-19		11EQS04	DIODE	3	<R>
D2720		MA153	DIODE	1	<R>
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D2734,35		MA4160-L	DIODE	2	<R>
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D2741,42		MA4062M	DIODE	2	<R>
D2743		MA723VT	DIODE	1	<R>
D60001		11EQS04	DIODE	1	<R>
D60002		MA170	DIODE	1	<R>
D60003-06		11EQS04	DIODE	4	<R>
D60008		MA3043-M	DIODE	1	<R>
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FA2202		VLF1036D101	FILTER	1	
FL2201-06		VLF0634	FILTER	6	
IC1501		LM393PS	IC	1	<R>
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IC2010		LM339NS	IC	1	<R>
IC2012		MC74HCU04F	IC	1	<R>
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IC2203		PCM55HP	IC	1	<R>
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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC2310		BA6302AF	IC	1	<R>
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IC2501,02		LM324NS	IC	2	<R>
IC2503		LM393PS	IC	1	<R>
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IC2715		AN78N12	IC	1	<R>
IC60001		TD62503F	IC	1	<R>
IC60002		MN188166VCTG	IC	1	<R>
IC60003		MN1382-R	IC	1	
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J2202		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2204,05		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
J2207-12		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	
J60001		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J60003		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J60005,06		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
K1501		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
K1502		ERDS2T0	C.RESISTOR 1/4W 0	1	
L1501		VLQEL06R101K	COIL	1	
L1502,03		VLP0074	COIL	2	
L2001,02		VLQEL05S470J	COIL 47UH	2	
L2004-06		VLQEL05S470J	COIL 47UH	3	
L2007		VLP0054	COIL	1	
L2008		VLQEL05S470J	COIL 47UH	1	
L2201,02		VLQEL05S2R2K	COIL 2.2UH	2	
L2203-05		VLP0054	COIL	3	
L2206,07		VLQEL05S2R2K	COIL 2.2UH	2	
L2208		VLQEL05S470J	COIL 47UH	1	
L2301-03		VLQEL05S470J	COIL 47UH	3	
L2401		VLQEL05S470J	COIL 47UH	1	
L2502		VLQEL05S470J	COIL 47UH	1	
L2701		VLQ0128	COIL 47UH	1	
L2702-04		VLQ0129	COIL 300UH	3	
L2705		VLQEL05S470J	COIL 47UH	1	
L2707		VLQEL05S470J	COIL 47UH	1	
L2711		VLQEL05S470J	COIL 47UH	1	
L60002		VLQEL05S470J	COIL 47UH	1	
L60501		VLQEL05S150K	COIL 15UH	1	
P1501		VJP1146	CONNECTOR	1	
P1502		VJP3076	CONNECTOR	1	
P1503		VJP1147	CONNECTOR (MALE) 12P	1	
P2201-03		VJS3202B020Z	CONNECTOR (FEMALE) 20P	3	
P2301		VJP1230T	CONNECTOR (MALE) 3P	1	
P2701		VJP3078	CONNECTOR (MALE)	1	
P2702		VJP3083	CONNECTOR (MALE)	1	
P2703		VJS2149W	CONNECTOR (FEMALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P60003		VJS3135	CONNECTOR (FEMALE)	1	
P60501		VJS2149W	CONNECTOR (FEMALE)	1	
P60502		VJP1230T	CONNECTOR (MALE) 3P	1	
P60503		VJS3134	CONNECTOR	1	
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Q2001		MSC2295-B	TRANSISTOR	1	<R>
Q2303-05		MSD601-R	TRANSISTOR	3	<R>
Q2703		MSB709-R	TRANSISTOR	1	<R>
Q2704		2SB1151	TRANSISTOR	1	<R>
Q2705-07		2SD601A-R	TRANSISTOR	3	<R>
Q2709-11		2SB772	TRANSISTOR	3	<R>
Q2713-16		MSB709-R	TRANSISTOR	4	<R>
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R1502		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R1504		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1505		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R1506		VRE0034E473	M.RESISTOR CH 1/10W 47K	1	
R1507		VRE0034E222	M.RESISTOR CH 1/10W 2.2K	1	
R1509		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R1510		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R1511		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R1512-14		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R1515		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1516-18		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R1519		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R1520		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R1521		ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R1522		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1525		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1526,27		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	2	
R1528,29		ERDS2TJ181	C.RESISTOR 1/4W 180	2	
R1531		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R1532		VRE0034E562	M.RESISTOR CH 1/10W 5.6K	1	
R1533		VRE0034E392	M.RESISTOR CH 1/10W 3.9K	1	
R1534		VRE0034E222	M.RESISTOR CH 1/10W 2.2K	1	
R1535		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R1536		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R1541,42		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2001		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2002		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2004		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R2005-07		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R2008		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2009,10		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R2013		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2017,18		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2019		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R2020		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2021		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R2022		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2027		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2028		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2029		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2030		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2031		ERJ6GEYG241	M.RESISTOR CH 1/10W 240	1	
R2032		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2033		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2035,36		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R2047		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2048		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2049		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2054-56		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	3	
R2059,60		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R2062		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2064		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2067		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2201		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2202		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2203		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R2205,06		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R2207		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2208		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2211		ERJ6GEYG473	M.RESISTOR CH 1/10W 47K	1	
R2212		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2213-18		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	6	
R2220-23		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	4	
R2240		ERJ6GEYG473	M.RESISTOR CH 1/10W 47K	1	
R2241		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R2242		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2331		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2333		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2334		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2335		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R2336		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R2337		ERJ6GEYG242	M.RESISTOR CH 1/10W 2.4K	1	
R2338		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R2339		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2340,41		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	2	
R2342		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R2343		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2344		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2345		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R2346		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2347		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R2352		ERJ6GEYJ752	M.RESISTOR CH 1/10W 7.5K	1	
R2353,54		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2355		ERJ6GEYJ752	M.RESISTOR CH 1/10W 7.5K	1	
R2356		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2357,58		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R2359		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2360,61		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R2362		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2363		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R2364		ERJ6GEYG913	M.RESISTOR CH 1/10W 91K	1	
R2370,71		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2379		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2401		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2402,03		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R2406		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2407,08		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R2409		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2410		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2411		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2501		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2502		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R2503		ERJ6GEYJ274	M.RESISTOR CH 1/10W 270K	1	
R2504		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R2505		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R2506		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R2507-10		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	4	
R2511-15		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	5	
R2516		ERJ6GEYG393	M.RESISTOR CH 1/10W 39K	1	
R2517		ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R2518-20		ERJ6GEYG124	M.RESISTOR CH 1/10W 120K	3	
R2521		ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R2522		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2523,24		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R2701		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2709,10		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2711		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R2712		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2713		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2714-17		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R2718		ERG2SJ561	M.RESISTOR 2W 560	1	
R2719		ERDS2TJ270	C.RESISTOR 1/4W 27	1	
R2725		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R2727		ERDS2TJ150	C.RESISTOR 1/4W 15	1	
R2729		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2730		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2731		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2732		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R2733		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2734		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2735		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2736		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R2738,39		ERDS2TJ150	C.RESISTOR 1/4W 15	2	
R2740		ERX12SJR68	M.RESISTOR CH 1/2W 0.68	1	
R2743		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R2747		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2748		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R2751		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2752-54		ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2755		ERX12SJR47	M.RESISTOR CH 1/2W 0.47	1	
R2756		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R2757		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2758		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2759		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2760		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R2761,62		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2763,64		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R2765		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2766		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2767		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2768		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R2769,70		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2771,72		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R2773,74		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2775		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2776		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2777		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R2778-82		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	
R2783		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2784		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2785		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2786,87		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2788		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2789		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2790		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R2791		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2792		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2793		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2794		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R2795		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R2796		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2799,00		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R2803		ERG2SJ221	M.RESISTOR 2W 220	1	
R2821		ERDS2TJ682	C.RESISTOR 1/4W 6.8K	1	
R2828,29		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R2830		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2831		ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R2832		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R2833		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2834		ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2835		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2836		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2838,39		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2840		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2841		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2842,43		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2844		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2845		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2846-48		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	3	
R2849		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2850		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R2862,63		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R60001		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60002		ERD2FCG220	C.RESISTOR 2W 22	1	<!>
R60003		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60004		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R60005		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R60006		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60007		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R60008		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60009		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R60010		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R60011		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R60012		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R60013		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R60015		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60016		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R60017,18		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R60019		ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R60020		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R60021-24		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R60026-29		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R60030		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R60031		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60032-35		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	4	
R60037		ERD2FCJ4R7	C.RESISTOR 2W 4.7	1	
R60038		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R60039		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R60043,44		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	2	
R60045		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60047		ERG1SJ330	M.RESISTOR 1W 33	1	
R60050		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R60055		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60056		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R60057		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R60058		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R60059		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60060		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R60101		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R60102		ERJ6GEYG302	M.RESISTOR CH 1/10W 3K	1	
R60103-05		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R60106		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R60107		ERJ6GEYJ823	M.RESISTOR CH 1/10W 82K	1	
R60108-11		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R60501		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R60502,03		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	2	
R60504		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R60505		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R60506		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R60507,08		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R60509		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R60510,11		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	2	
R60512		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R60513		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R60514		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R60515		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R60516		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R60517,18		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R60519		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R60520,21		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R60522		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R60523		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R60524		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R60525		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R60526		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R60527,28		ERG1SJ300	M.RESISTOR 1W 30	2	
R60529		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R60530		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
T1501		ETE13K86AY	TRANSFORMER	1	
VR2001		EVN32CA00B54	V.RESISTOR 50K	1	
VR2003		EVN32CA00B15	V.RESISTOR 100K	1	
X2001		VSX0296	CRYSTAL OSCILLATOR	1	<R>
X2002		VSX0066	CRYSTAL OSCILLATOR	1	<R>
X2201		VSX0197	CRYSTAL OSCILLATOR	1	<R>
X2401		VSX0086	CRYSTAL OSCILLATOR	1	<R>
X2701		VSX0136	CRYSTAL OSCILLATOR	1	<R>
X60001		VSX0230	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E43		VMX0985	SPACER	2	
E52		XYN3+F8	SCREW	2	
E80		VSC4042	HEAT SINK	2	
E82		VMC0493	HEAT SINK SPRING	1	
E84		VMC0075	HEAT SINK SPRING	1	
E83		VSC1215	HEAT SINK	1	
E42		VJF0816	CORD CLAMPER	1	
E97		VWJ18AW105M1	FLEXIBLE WIRE	1	
E96		VWJ04CN150CA	FLAT CABLE	1	
E81		VSC1689	HEAT SINK	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP08160B	P.C.BOARD W/COMPONENT		
			TBC (2)		
C8601,02		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8603		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8604		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8605		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8606,07		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C8608		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8609		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8610		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C8611,12		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8613		ECEV1HN010Q	E.CAPACITOR 50V 1U	1	
C8614		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8615		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8616,17		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C8618		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C8619		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C8620-22		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8623		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8624		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8625		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8628		ECEV0JV101Q	E.CAPACITOR 6.3V 100U	1	
C8629		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8630		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8631		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8632		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8633		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8634		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8635		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8636		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8637		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8640		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8641		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8642		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8643		ECEV1HN010Q	E.CAPACITOR 50V 1U	1	
C8644		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8645		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8646,47		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8648		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8649		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8650		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8651		ECEV1VAN2R2	E.CAPACITOR CH 35V 2.2U	1	
C8652		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8653		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8654		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8655		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8656-61		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C8662		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8663		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8664		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8665		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8671		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8672		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8673		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8674		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C8675		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8676		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8677		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8678		ECEV1VAN2R2	E.CAPACITOR CH 35V 2.2U	1	
C8679		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8680		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8681		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8682		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C8683,84		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8685		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8686		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8687		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C8688		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8689		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8690		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C8691		ECUM1H030DCN	C.CAPACITOR CH 50V 3P	1	
C8692		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C8693-95		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8701		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8702		ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	
C8703		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8704		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C8705		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8706		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C8707		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8708		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C8709-13		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	5	
C8714		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C8715		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8716-21		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C8722		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8723		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8724,25		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8726		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C8801		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8802		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8803		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8804,05		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8806		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8807,08		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8809,10		ECEV0GV470Q	E.CAPACITOR 4V 47U	2	
C8811		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8813-15		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8816		ECEV0GV470Q	E.CAPACITOR 4V 47U	1	
C8817		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8819		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8820		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8821		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C8822,23		ECEV1HV010Q	E.CAPACITOR 50V 1U	2	
C8824		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8826		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8827		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8828		ECEV0JV101Q	E.CAPACITOR 6.3V 100U	1	
C8829		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8830		ECEV0JV101Q	E.CAPACITOR 6.3V 100U	1	
C8832		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8833		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C8835		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8836,37		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8840		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8841		ECEV1CV220Q	E.CAPACITOR 16V 22U	1	
C8842,43		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8846		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C8847		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C8848		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C8849-51		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8852		ECEV0GV470Q	E.CAPACITOR 4V 47U	1	
C8853		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8854		ECEV1HV010Q	E.CAPACITOR 50V 1U	1	
C8855		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8856		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C8857		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8859-62		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C8863		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C8864		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C8865		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8866		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8867		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8870		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8871		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C8872		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C8873		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8882,83		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	2	
C8884		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8885		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8886		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8887		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8889		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8890,91		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C8892		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8893,94		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8895		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8896,97		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8898,99		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C8900		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8901,02		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8903		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8904,05		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8906		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C8907,08		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8909		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C8910		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8911,12		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8913		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8914		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8915		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8916-20		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	5	
C8921		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C8922		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8923		ECEV0GV470Q	E.CAPACITOR 4V 47U	1	
C8924		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8925		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C8926-28		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8930		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8932		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C8938		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C8939		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8940,41		ECUM1H050CCN	C.CAPACITOR CH 50V 5P	2	
C8945		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
D8601		MA151WK	DIODE	1	<R>
D8602		MA151K	DIODE	1	<R>
D8604,05		MA723	DIODE	2	<R>
D8671		MA151K	DIODE	1	<R>
D8672		MA335-R	DIODE	1	<R>
D8673		MA151K	DIODE	1	<R>
D8701		MA151K	DIODE	1	<R>
D8801,02		MA335-R	DIODE	2	<R>
D8803		MA151K	DIODE	1	<R>
D8804		MA723	DIODE	1	<R>
FL8601-05		VLF1016A223	FILTER	5	
FL8671		VLF1016A223	FILTER	1	
FL8672-75		VLF1016A470	FILTER	4	
FL8701		VLF1016A223	FILTER	1	
FL8801		VLF0921	FILTER	1	
FL8802,03		VLF1289	FILTER	2	
IC8601		AN91A12S	IC	1	<R>
IC8602		NE521D	IC	1	<R>
IC8603,04		MN74HC221S	IC	2	<R>
IC8605		NJM082BM	IC	1	<R>
IC8606		MN74HC221S	IC	1	<R>
IC8607		MC74HCU04F	IC	1	<R>
IC8608		MC74HC125AF	IC	1	<R>
IC8609,10		NJM082BM	IC	2	<R>
IC8613		NJM78L09UA	IC	1	<R>
IC8671		MC14053BF	IC	1	<R>
IC8672		NJM082BM	IC	1	<R>
IC8673		NE521D	IC	1	<R>
IC8674		NJM78L09UA	IC	1	<R>
IC8675		TC7S08F	IC	1	<R>
IC8701		UPD65650J203	IC	1	<R>
IC8702		MN74HC221S	IC	1	<R>
IC8703		MC74HC04AF	IC	1	<R>
IC8704		TC7S08F	IC	1	<R>
IC8705		NJM082BM	IC	1	<R>
IC8706		TC7W04F	IC	1	<R>
IC8708		MC74HC164F	IC	1	<R>
IC8709		TC7S32F	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC8801		AD826AR	IC	1	<R>
IC8802		BA7655AF	IC	1	<R>
IC8803		MM74HC221AM	IC	1	<R>
IC8804		AD826AR	IC	1	<R>
IC8805		NJM082BM	IC	1	<R>
IC8806		M51272FP	IC	1	<R>
IC8807		TC7S04F	IC	1	<R>
IC8808		MC14053BF	IC	1	<R>
IC8809		MC14013BF	IC	1	<R>
IC8810		LM358PS	IC	1	<R>
IC8811		TC4S66F	IC	1	<R>
IC8812		LM358PS	IC	1	<R>
IC8815		TC7S04F	IC	1	<R>
L8601		VLQ0319K101	COIL 100UH	1	
L8602		VLQ0319K221	COIL 220UH	1	
L8603		VLQ0163J390	COIL 39UH	1	
L8604		VLQ0319K470	COIL 47UH	1	
L8605,06		VLP0133	COIL	2	
L8612-14		VLQ0319K470	COIL 47UH	3	
L8671		VLQ0319K470	COIL 47UH	1	
L8672		VLQ0163J221	COIL 220UH	1	
L8673		VLQ0319K470	COIL 47UH	1	
L8701		VLQ0319K470	COIL 47UH	1	
L8801,02		VLQ0319K101	COIL 100UH	2	
L8803		VLQ0163J180	COIL 18UH	1	
L8804		VLQ0163J560	COIL 56UH	1	
L8805		VLQ0163J101	COIL 100UH	1	
L8806,07		VLQ0319K101	COIL 100UH	2	
L8812		VLQ0319K101	COIL 100UH	1	
L8813		VLQ0163J150	COIL 15UH	1	
L8814		VLQ0163J5R6	COIL 5.6UH	1	
L8815		VLQ0163J6R8	COIL 6.8UH	1	
L8818,19		VLQ0319K101	COIL 100UH	2	
L8820,21		VLQ0163J470	COIL 47UH	2	
L8822		VLQ0319K101	COIL 100UH	1	
L8823		VLQ0163J470	COIL 47UH	1	
L8824-27		VLQ0319K101	COIL 100UH	4	
L8828,29		VLQ0163J100	COIL 10UH	2	
P8933		VJP3176B100	CONNECTOR	1	
Q8671		MSB709-R	TRANSISTOR	1	<R>
Q8672,73		2SK608-R	TRANSISTOR	2	<R>
Q8701		MSD601-R	TRANSISTOR	1	<R>
Q8801-03		MSD601-R	TRANSISTOR	3	<R>
Q8804		MSB709-R	TRANSISTOR	1	<R>
Q8805,06		MSD601-R	TRANSISTOR	2	<R>
Q8808,09		MSD601-R	TRANSISTOR	2	<R>
Q8810		2SA1022-B	TRANSISTOR	1	<R>
Q8811		MSD601-R	TRANSISTOR	1	<R>
Q8812		2SA1022-B	TRANSISTOR	1	<R>
Q8813-15		MSD601-R	TRANSISTOR	3	<R>
Q8816		MSB709-R	TRANSISTOR	1	<R>
Q8817		MSC2295-B	TRANSISTOR	1	<R>
Q8818,19		MSB709-R	TRANSISTOR	2	<R>
Q8820		MSC2295-B	TRANSISTOR	1	<R>
Q8821		MSB709-R	TRANSISTOR	1	<R>
Q8822		MSC2295-B	TRANSISTOR	1	<R>
Q8823		MSB709-R	TRANSISTOR	1	<R>
Q8824,25		MSD601-R	TRANSISTOR	2	<R>
Q8826		MSB709-R	TRANSISTOR	1	<R>
Q8827,28		MSD601-R	TRANSISTOR	2	<R>
Q8829,30		MSC2295-B	TRANSISTOR	2	<R>
Q8831		XN6534	TRANSISTOR	1	<R>
Q8832		XN1213	TRANSISTOR-TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8601		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R8602		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R8603		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8604,05		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R8606		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8607-10		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	4	
R8611		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R8612		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R8613,14		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R8615		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R8616		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8617		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R8618		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R8619		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R8620		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R8621		ERDS2TJ272	C.RESISTOR 1/4W 2.7K	1	
R8622,23		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8624		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8625		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8626		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8627		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8628		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8629		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8630		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R8631		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R8632		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8633		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8634		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8636		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8637		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R8671		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8672		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8673		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8674		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8676		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8677		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8678		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8679		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8680		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R8681		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8682		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8683		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8684		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8685,86		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R8687,88		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R8689		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8690		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R8691		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8692		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8693		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8694		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8696,97		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R8701		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8703		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R8704		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8705		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R8706		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8707		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R8708		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8709		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R8710		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R8713		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8715		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8717-21		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	5	
R8722-27		ERJ6GEYJ560	M.RESISTOR CH 1/10W 56	6	
R8728		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8729		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8731,32		ERJ6GEYJ560	M.RESISTOR CH 1/10W 56	2	
R8733,34		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R8736		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8737		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8739		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8740		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8741		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R8743		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8801,02		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R8803		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8804		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8805		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8806		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8807		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8808		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R8809		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8810-12		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R8813		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8814		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R8815		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8816		ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R8817		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8818		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R8822		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8823		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8824		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8825		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8826		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8827		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8828		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8829		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8830		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8831		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8832		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R8833		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8834		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8836		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8838		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8839		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8840		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8841		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8842		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8843		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8844		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8846		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8849		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8850		ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R8851		ERJ6GEYG163	M.RESISTOR CH 1/10W 16K	1	
R8853		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8855		ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R8856		ERJ6GEYG163	M.RESISTOR CH 1/10W 16K	1	
R8859		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8860		ERJ6GEYG301	M.RESISTOR CH 1/10W 300	1	
R8861		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8862		ERJ6GEYG301	M.RESISTOR CH 1/10W 300	1	
R8864		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R8865		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8866		VRE0034E122	M.RESISTOR CH 1/10W 1.2K	1	
R8867		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8869		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8870		VRE0034E122	M.RESISTOR CH 1/10W 1.2K	1	
R8871		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8873		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8875		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8876		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R8877		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8878		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R8880		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8881		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8882		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8883		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R8884		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8885		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8886		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8887		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8888		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8889		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8890		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8891		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8892		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8893		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8894		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8895		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8896		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8897		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R8898		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8899		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8900		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8901		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8902		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8903		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8904		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8905		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8906-08		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	3	
R8909		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8910		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8911		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R8912		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8913		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8914		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8915		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8916		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8917		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R8918		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R8919		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8920		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8921,22		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8923		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8924		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8925		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8926		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8928		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8929		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R8930		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R8931		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R8932		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R8933		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8934-36		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	3	
R8937		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8938		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8939		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R8940		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8941		ERJ6GEYG242	M.RESISTOR CH 1/10W 2.4K	1	
R8942		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R8943		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R8944		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8945		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R8947		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R8948		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R8952		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8953,54		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R8955-57		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	3	
R8958		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R8959-63		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	5	
R8964,65		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8966		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8968		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8969		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R8971		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8973		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8974		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8975,76		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	2	
R8977,78		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R8979		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R8980		ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	
R8982		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8983		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8985,86		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R8989		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
SW8701		VSR0045	SWITCH	1	<R>
TH8801		ERTD2FHL102S	THERMISTOR 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VC8671		ECV1ZW20X60	V.CAPACITOR 20P	1	
VC8801		ECV1ZW20X60	V.CAPACITOR 20P	1	
VR8601		EVN32CA00B54	V.RESISTOR 50K	1	
VR8602		EVN32CA00B53	V.RESISTOR 5K	1	
VR8603		EVN32CA00B14	V.RESISTOR 10K	1	
VR8604		EVN32CA00B53	V.RESISTOR 5K	1	
VR8701		EVN32CA00B53	V.RESISTOR 5K	1	
VR8801,02		EVN32CA00B14	V.RESISTOR 10K	2	
VR8803		EVN32CA00B13	V.RESISTOR 1K	1	
VR8804		EVN32CA00B23	V.RESISTOR 2K	1	
VR8805		EVN32CA00B24	VARIABLE 20K	1	
VR8806		EVN32CA00B13	V.RESISTOR 1K	1	
VR8807,08		EVN32CA00B23	V.RESISTOR 2K	2	
VR8809		EVN32CA00B13	V.RESISTOR 1K	1	
VR8810,11		EVN32CA00B53	V.RESISTOR 5K	2	
VR8814		EVN32CA00B13	V.RESISTOR 1K	1	
VR8815		EVN32CA00B52	V.RESISTOR 500	1	
X8601		VSX0270	CRYSTAL OSCILLATOR	1	<R>
X8602		VSX0567	CRYSTAL OSCILLATOR	1	<R>
X8671		VSX0114	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E48		VMZ2228	INSULATER	1	
E49		VSC3973	SHIELD PLATE	1	
E50		XTV3+6FFR	SCREW	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP08179A	P.C.BOARD W/COMPONENT		
			TBC (1)		
C8001,02		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8003		ECEV1CV100Q	E.CAPACITOR 16V 10U	1	
C8004-09		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C8012		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8014		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8019,20		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8021		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C8025		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8051,52		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8053		ECEV1CV220Q	E.CAPACITOR 16V 22U	1	
C8054		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8055		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C8056		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8059		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C8060		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8062,63		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8064		ECEV1CV220Q	E.CAPACITOR 16V 22U	1	
C8065		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8066		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C8067		ECEV1HV2R2Q	E.CAPACITOR 50V 2.2U	1	
C8068-79		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	12	
C8101		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8102		ECEV1CV220Q	E.CAPACITOR 16V 22U	1	
C8103,04		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8105		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8106		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C8107		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8108		ECEV1EN4R7Q	E.CAPACITOR 25V 4.7U	1	
C8109		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C8110		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8111,12		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C8113		ECEV1HN010Q	E.CAPACITOR 50V 1U	1	
C8114,15		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8116		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8130		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8131		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8132		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C8133-35		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8136		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C8137,38		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C8139		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8151		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8152		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C8153		ECUM1H223KBN	C.CAPACITOR 50V 0.022U	1	
C8154		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8155		ECEV1CV220Q	E.CAPACITOR 16V 22U	1	
C8156		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C8157,58		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C8159		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8160		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C8161		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8162		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C8163		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8164		ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	
C8166		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C8167		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8168		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C8169		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8170,71		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8172		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8173		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8174,75		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C8176,77		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8178		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8179-81		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8183,84		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8185		ECEV0JV220Q	E.CAPACITOR 6.3V 22U	1	
C8186-89		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C8190		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8201		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8202,03		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8204		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8205-07		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8208		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C8209		ECEV1HVR47Q	E.CAPACITOR 50V 0.47U	1	
C8210		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8211-13		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8214		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C8217,18		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8219		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8220		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8221		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8222		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8223		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8224		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8225		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8226		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8227		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8228-32		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	5	
C8233		ECEV1HVR47Q	E.CAPACITOR 50V 0.47U	1	
C8234		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8235		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8236		ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C8237		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8238		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8239-42		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C8243		ECEV1HVR47Q	E.CAPACITOR 50V 0.47U	1	
C8244		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8245		ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C8246		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8247		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8248		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8249		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C8250-52		ECEV1HV010Q	E.CAPACITOR 50V 1U	3	
C8253		ECEV1HV3R3Q	E.CAPACITOR 50V 3.3U	1	
C8254-56		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C8257,58		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C8259,60		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	2	
C8261		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C8262		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8263		ECEV1HN3R3Q	E.CAPACITOR 50V 3.3U	1	
C8265		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8266		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8267		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8268		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8269		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C8270		ECEV1HVR47Q	E.CAPACITOR 50V 0.47U	1	
C8271,72		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C8301		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8303-09		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	7	
C8310		ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C8311		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8313		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8314		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8315,16		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8317		ECEV0JV470Q	E.CAPACITOR 6.3V 47U	1	
C8318-20		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8322-27		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C8328		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8329		ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C8401-09		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	9	
C8410		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8411		ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C8412		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8501,02		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8512		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8514		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8520,21		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C8523-25		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
D8001,02		MA151K	DIODE	2	<R>
D8053		MA3051-L	DIODE	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D8054		MA3033-L	DIODE	1	<R>
D8101		MA151WK	DIODE	1	<R>
D8151		MA151K	DIODE	1	<R>
D8153		MA335-R	DIODE	1	<R>
D8154,55		MA151K	DIODE	2	<R>
D8156		MA153	DIODE	1	<R>
D8201-05		MA736	DIODE	5	<R>
D8550,51		11EQS04	DIODE	2	<R>
FL8201		VLF1015	FILTER	1	
FL8202,03		VLF1289	FILTER	2	
FL8550,51		VLF1016A223	FILTER	2	
FL8553-55		VLF1016A223	FILTER	3	
FL8556-58		VLF1016A470	FILTER	3	
FL8560		VLF1016A223	FILTER	1	
FL8561-63		VLF1016A470	FILTER	3	
FL8564-67		VLF1016A223	FILTER	4	
IC8001		CXD1175AM	IC	1	<R>
IC8002		MC74HC574AF	IC	1	<R>
IC8003		MN53030VMB	IC	1	<R>
IC8004,05		MB81C1501PF	IC	2	<R>
IC8006		TC7WU04F	IC	1	<R>
IC8011		MC74HC86F	IC	1	<R>
IC8012		MN1382-R	IC	1	<R>
IC8016		NJM78L05UA	IC	1	<R>
IC8051		NJM78L09UA	IC	1	<R>
IC8052		AN78L05	IC	1	<R>
IC8053-55		NJM4565MD	IC	3	<R>
IC8056		MC74HC574AF	IC	1	<R>
IC8057		MB40778PF	IC	1	<R>
IC8102		SN74LS123NS	IC	1	<R>
IC8103		74F74SJ	IC	1	<R>
IC8104		SN74LS123NS	IC	1	<R>
IC8105		TC7S00F	IC	1	<R>
IC8106,07		TC7S14F	IC	2	<R>
IC8109		AN91A12S	IC	1	<R>
IC8111		SN74LS221NS	IC	1	<R>
IC8151		MC74HC4053F	IC	1	<R>
IC8152-54		NJM062M	IC	3	<R>
IC8155		SN74LS123NS	IC	1	<R>
IC8156		SN74LS221NS	IC	1	<R>
IC8157		MC1648P	IC	1	<R>
IC8158		MC74HC04AF	IC	1	<R>
IC8160		SC371026FU	IC	1	<R>
IC8161		SN74LS221NS	IC	1	<R>
IC8201		NJM082BM	IC	1	<R>
IC8202		TC7S66F	IC	1	<R>
IC8203		AD817AR	IC	1	<R>
IC8204		TC7S66F	IC	1	<R>
IC8205		NJM78L09UA	IC	1	<R>
IC8206		NJM082BM	IC	1	<R>
IC8207		AD826AR	IC	1	<R>
IC8208		NJM082BM	IC	1	<R>
IC8209		TC7S66F	IC	1	<R>
IC8210		AN78L05	IC	1	<R>
IC8211		AN3171S	IC	1	<R>
IC8301		UPD65640B168	IC	1	<R>
IC8302		SC371026FU	IC	1	<R>
IC8303		MB81C1501PF	IC	1	<R>
IC8306		MC74HC86F	IC	1	<R>
IC8307		TC7S32F	IC	1	<R>
IC8308		NJM78L05UA	IC	1	<R>
IC8309		MC74HC4053F	IC	1	<R>
IC8312		AN78L05	IC	1	<R>
IC8401		CG24143-4403	IC	1	<R>
IC8402		TC7S32F	IC	1	<R>
IC8403		TC7S08F	IC	1	<R>
IC8404		SN74LS221NS	IC	1	<R>
IC8405		TC7W32F	IC	1	<R>
IC8501		SC371026FU	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC8504		MC74HC74AF	IC	1	<R>
IC8506		TC7WU04F	IC	1	<R>
IC8551,52		TC7S08F	IC	2	<R>
L8001		VLQ0319K101	COIL 100UH	1	
L8002		VLF1016A223	FILTER	1	
L8052,53		VLQ0319K101	COIL 100UH	2	
L8101		VLQ0319K101	COIL 100UH	1	
L8102		VLQ0133J471	COIL 470UH	1	
L8151-54		VLQ0319K470	COIL 47UH	4	
L8155		VLQ0163J1R2	COIL	1	
L8156		VLQ0319K470	COIL 47UH	1	
L8201-04		VLQ0319K101	COIL 100UH	4	
L8301		VLQ0163J6R8	COIL 6.8UH	1	
L8550,51		VLQ0319K1R0	COIL 1UH	2	
P8551		VJP3176B100	CONNECTOR	1	
Q8151,52		MSD601-R	TRANSISTOR	2	<R>
Q8153		MSB709-R	TRANSISTOR	1	<R>
Q8201-10		MSD601-R	TRANSISTOR	10	<R>
R8001,02		ERJ8GCY0R00	M.RESISTOR CH 1/8W 0	2	
R8009		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8010,11		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R8051		ERJ6GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R8052		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8053		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8055		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8056		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R8057		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R8060		ERJ6GEYG203	M.RESISTOR CH 1/10W 20K	1	
R8064		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8066		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8067		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8072-79		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	8	
R8080,81		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	2	
R8082		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8083		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R8084		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8085		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8087-94		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	8	
R8095-97		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R8101		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R8102		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8103		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8104		ERJ6GEYJ113	M.RESISTOR CH 1/10W 11K	1	
R8105		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8106		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8107		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R8108-10		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	3	
R8111		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R8112		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8113		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8119		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8120,21		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8122		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8151		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8152		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8153		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8154,55		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R8156		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8157		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8158		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8159		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8160		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8161		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8162		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8163		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8164		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R8165		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8166		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8167		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8168		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8169		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8170		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R8171		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8172		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8173		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8174		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8175,76		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R8177		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8201		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8202		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R8203		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R8204		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8205		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8206		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8207		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8208		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R8209		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8210		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8211		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8212		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R8213		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R8214		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8215		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8216		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R8217		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R8218		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8219		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8220,21		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R8222		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8223		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8224		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8225		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R8226		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8227		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8228		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8229		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8230		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R8231		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8232		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8233		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8234		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R8235		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8236		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8237		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8238		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8239		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8240		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8241		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R8242		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8243		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R8244		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8245		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8246		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8247		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8248		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8249		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8250		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8251		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R8252		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8253		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R8254		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8255		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8256		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R8257		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R8259		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8260		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R8261		ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R8262		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8263		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R8264		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R8265		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8266		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8267		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8268		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8269		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R8270		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8271		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8272		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R8273		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	1	
R8274		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R8275		ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	
R8303		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8304		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R8305		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8311		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8313,14		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R8316,17		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R8319		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8320		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R8322		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8401,02		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R8404		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8405		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8407-12		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	
R8414-16		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R8417		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R8418		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8501,02		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R8520		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R8521,22		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R8551-53		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	3	
R8554-56		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	3	
R8557-60		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	4	
R8561-65		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	5	
R8567-69		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	3	
R8570-75		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	6	
R8577		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8578-81		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	4	
R8582		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8584,85		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R8586-88		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	3	
R8589		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8590-92		ERJ8GCY0R00	M.RESISTOR CH 1/8W 0	3	
R8593		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8594		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
TH8201		ERTD2FGL102S	THERMISTOR 1K	1	
VC8501		ECV1ZW20X60	V.CAPACITOR 20P	1	
VR8001		EVN32CA00B53	V.RESISTOR 5K	1	
VR8002		EVN32CA00B23	V.RESISTOR 2K	1	
VR8151,52		EVN32CA00B23	V.RESISTOR 2K	2	
VR8201		EVN32CA00B53	V.RESISTOR 5K	1	
VR8202		EVN32CA00B13	V.RESISTOR 1K	1	
VR8203		EVN32CA00B53	V.RESISTOR 5K	1	
VR8204,05		EVN32CA00B13	V.RESISTOR 1K	2	
VR8206		EVN32CA00B24	VARIABLE 20K	1	
VR8207		EVN32CA00B14	V.RESISTOR 10K	1	
VR8301,02		EVN32CA00B13	V.RESISTOR 1K	2	
X8201		VSX0225	CRYSTAL OSCILLATOR	1	<R>
X8502		VSX0795	CRYSTAL OSCILLATOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP04424A	P.C.BOARD W/COMPONENT		
			XLR M		
C6710-13		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	4	
J6722-25		VJP3417	CONNECTOR	4	
P6706		VJP1246T	CONNECTOR (MALE) 6P	1	
P6707		VJP1247T	CONNECTOR (MALE) 7P	1	
		VEP04425A	P.C.BOARD W/COMPONENT		AG-8700E
			XLR F		
C6714-17		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	4	
J6726-29		VJS3417	CONNECTOR	4	
P6708		VJP1246T	CONNECTOR (MALE) 6P	1	
P6709		VJP1247T	CONNECTOR (MALE) 7P	1	
		VEP06906A	P.C.BOARD W/COMPONENT		
			9P CONNECT		
P69005		VJP3076	CONNECTOR	1	
P69006		VJS2074	CONNECTOR	1	
			MISCELLANEOUS		
E85		VMP4229	CONNECTOR ANGLE	1	
		XSB3+6	SCREW	1	
E41		XYE3+EF8FZ	SCREW	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP06908E	P.C.BOARD W/COMPONENT		AG-8700E
			REAR AMP		
C4001-04		ECEV1CN100Q	E.CAPACITOR CH 16V 10U	4	
C4007-10		ECEV1CN100Q	E.CAPACITOR CH 16V 10U	4	
C4014,15		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C4016		ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C4017		ECEA1CKS101	E.CAPACITOR 16V 100U	1	
C4018		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C4019		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C4020		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4021		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C4022		ECEA1VKS470	E.CAPACITOR 35V 47U	1	
C4023		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4024,25		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4026		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4027,28		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4029		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4030,31		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4034		ECEA1CKS101	E.CAPACITOR 16V 100U	1	
C4035		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C4036-41		ECEA1CKA100	E.CAPACITOR 16V 10U	6	
C4042,43		ECEA1CKS100	E.CAPACITOR 16V 10U	2	
C4044,45		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C4046-49		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	4	
C4050,51		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C6601,02		ECEA1AKA470	E.CAPACITOR 10V 47U	2	
C6604		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6605		ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C6606,07		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C6611		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6612		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6613		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6614		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6615		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6616		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6621,22		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C6623		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6624		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6628-36		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	9	
C6637-39		ECEA0JKN470	E.CAPACITOR 6.3V 47U	3	
C6640		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6641		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6642		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6643		ECEA1HKS4R7	E.CAPACITOR 50V 4.7U	1	
C6644		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6645		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6646		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6647		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6648		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6649		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6650		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C6651		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C6652		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C6653,54		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C6655,56		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	2	
C6657		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6658		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6659		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6660		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6661		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6662-64		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C6665		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6667,68		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	2	
C6670,71		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	2	
C6672,73		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C6674		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C6675		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C6676-78		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C6679		ECCF1H121JC	C.CAPACITOR 50V 120P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
CT6601		ECV1ZW20X60	V.CAPACITOR 20P	1	
D4001		MA151WA	DIODE	1	<R>
D4002		MA151WK	DIODE	1	<R>
D4003		MA151WA	DIODE	1	<R>
D4004		MA151WK	DIODE	1	<R>
D4005		MA151WA	DIODE	1	<R>
D4006		MA151WK	DIODE	1	<R>
D4007		MA151WA	DIODE	1	<R>
D4008		MA151WK	DIODE	1	<R>
D4017		MA153A	DIODE	1	<R>
D6601,02		MA151K	DIODE	2	<R>
D6603		MA28W-AB	DIODE	1	<R>
IC4001-03		NJM4556MB	IC	3	<R>
IC4004		AN6558S	IC	1	<R>
IC4005-07		NJM4556MB	IC	3	<R>
IC4008		AN6558S	IC	1	<R>
IC4014-17		NJM4556MB	IC	4	<R>
IC6601		NJM2233BMA	IC	1	<R>
IC6605-09		MC14577CP	IC	5	<R>
IC6610		MN1280P	IC	1	<R>
IC6611		M50455-001SP	IC	1	<R>
IC6612		TC4S584F	IC	1	<R>
IC6613		NJM2233BMA	IC	1	<R>
IC6614		MC74HC4053F	IC	1	<R>
IC6615		TC7S08F	IC	1	<R>
IC6616		MC74HC4053F	IC	1	<R>
L6601-07		VLQEL05K101J	COIL	7	
L6608		VLQEL05K330J	COIL	1	
L6609,10		VLQEL05K470J	COIL	2	
L6611		VLQEL05K150J	COIL	1	
L6612		VLQEL05K101J	COIL	1	
P4006		VJP3490B13	CONNECTOR	1	
P4007,08		VJP3092	CONNECTOR (MALE)	2	
P4009		VJP3490B13	CONNECTOR	1	
P6601		VJS1490	CONNECTOR (FEMALE)	1	
P6602,03		VJP3490B13	CONNECTOR	2	
P6604		VJS1468	CONNECTOR (FEMALE)	1	
P6605		VJS1490	CONNECTOR (FEMALE)	1	
P6606		VJP3076	CONNECTOR	1	
P6607		VJP1243T	CONNECTOR (MALE) 3P	1	
P6608		VJS1488	CONNECTOR (FEMALE)	1	
Q4001-08		MSD601-R	TRANSISTOR	8	<R>
Q4010		2SD601-R	TRANSISTOR	1	<R>
Q4011		2SB710-R	TRANSISTOR	1	<R>
Q4015-17		2SD1306	TRANSISTOR	3	<R>
Q4021-23		2SD1306	TRANSISTOR	3	<R>
Q4027-29		2SD1306	TRANSISTOR	3	<R>
Q4033-35		2SD1306	TRANSISTOR	3	<R>
Q4036		MSB710-R	TRANSISTOR	1	<R>
Q4037		2SB710-R	TRANSISTOR	1	<R>
Q4038		2SD602-R	TRANSISTOR	1	<R>
Q6602,03		MSD601-R	TRANSISTOR	2	<R>
Q6606		MSB709-R	TRANSISTOR	1	<R>
Q6609,10		XN4501	TRANSISTOR-RESISTOR	2	<R>
Q6611		MSD601-R	TRANSISTOR	1	<R>
Q6612		XN4401	TRANSISTOR-RESISTOR	1	<R>
Q6613-16		MSB709-R	TRANSISTOR	4	<R>
Q6617		MSD601-R	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR6603		MRN1404	TRANSISTOR	1	<R>
QR6605		MRN2404	TRANSISTOR	1	<R>
QR6606-09		MRN1404	TRANSISTOR	4	<R>
QR6610,11		MRN2404	TRANSISTOR	2	<R>
R4001		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R4002,03		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R4004,05		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R4006,07		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R4008		VRE0034E332	M.RESISTOR CH 1/10W 3.3K	1	
R4009-14		VRE0034E472	M.RESISTOR CH 1/10W 4.7K	6	
R4015		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4016		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R4017		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4018,19		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R4020,21		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R4022		VRE0034E332	M.RESISTOR CH 1/10W 3.3K	1	
R4023-28		VRE0034E472	M.RESISTOR CH 1/10W 4.7K	6	
R4029		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4030		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R4032-35		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R4036		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R4038-40		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R4041		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R4042,43		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R4044,45		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R4046,47		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R4048		VRE0034E332	M.RESISTOR CH 1/10W 3.3K	1	
R4049-54		VRE0034E472	M.RESISTOR CH 1/10W 4.7K	6	
R4055		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R4056,57		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R4058,59		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	2	
R4060,61		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R4062		VRE0034E332	M.RESISTOR CH 1/10W 3.3K	1	
R4063-68		VRE0034E472	M.RESISTOR CH 1/10W 4.7K	6	
R4069		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4070		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R4072-76		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	
R4077		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R4079-82		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R4094,95		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4096,97		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	2	
R4107		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4108		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4109		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4110		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4111		ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	
R4112		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4113,14		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4115		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4116		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4117		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4118		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4119-23		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	
R4133		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4134,35		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4136		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4137		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4138		ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	
R4139,40		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4141		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4142		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4143		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4144		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4145-49		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	
R4159		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4160,61		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4162		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4163		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4164,65		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4166		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4167		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4168		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4169		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4170		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4171		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4172		ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	
R4173-75		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R4185		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4186,87		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4188		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4189		ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	
R4190		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4191,92		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4193		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4194		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4195		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4196		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4197-01		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	
R4204		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4205		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4206,07		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	2	
R4208-11		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	4	
R6601		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6602		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R6604		ERJ6GEYG750	M.RESISTOR CH 1/10W 75	1	
R6607		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R6608		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6609		ERJ6GEYG472	M.RESISTOR CH 1/10W 4.7K	1	
R6610		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6618		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R6619		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6620		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R6621,22		VRE0034E102	M.RESISTOR CH 1/10W 1K	2	
R6623		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6624-26		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R6628-31		VRE0034E471	M.RESISTOR CH 1/10W 470	4	
R6632,33		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6634-37		VRE0034E471	M.RESISTOR CH 1/10W 470	4	
R6639-48		VRE0034E471	M.RESISTOR CH 1/10W 470	10	
R6649		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6650		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R6651		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6652		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6653		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6654,55		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R6656		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R6657		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6658		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R6659		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6660		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R6662		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R6663		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6664		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6665		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R6666		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6667		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6668		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6669		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R6670		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6671		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R6672		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6673		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R6675		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6677,78		VRE0034E471	M.RESISTOR CH 1/10W 470	2	
R6679,80		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6681		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6683		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6684		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6685		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6686,87		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R6689		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6690		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6691		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6694		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6695		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6698		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
SW4004,05		VSS0208	SWITCH	2	<R>
VR4005-08		EVN32CA00B53	V.RESISTOR 5K	4	
X6601		VSX0316	CRYSTAL OSCILLATOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP06908F	P.C.BOARD W/COMPONENT		AG-8600E
			REAR AMP		
C4016		ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C4017		ECEA1CKS101	E.CAPACITOR 16V 100U	1	
C4018		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C4019		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C4020		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4021		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C4022		ECEA1VKS470	E.CAPACITOR 50V 47U	1	
C4023		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4024,25		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4026		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4027,28		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4029		ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4030,31		ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4034		ECEA1CKS101	E.CAPACITOR 16V 100U	1	
C4035		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C4036-41		ECEA1CKA100	E.CAPACITOR 16V 10U	6	
C4042,43		ECEA1CKS100	E.CAPACITOR 16V 10U	2	
C6611		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6612		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6613		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6614		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6615		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6616		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6621,22		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	2	
C6623		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6624		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6628-36		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	9	
C6637-39		ECEA0JKN470	E.CAPACITOR 6.3V 47U	3	
C6640		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6641		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6642		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6643		ECEA1HKS4R7	E.CAPACITOR 50V 4.7U	1	
C6644		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6645		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6646		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6647		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6648		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6649		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6650		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C6651		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C6652		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C6653,54		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C6655,56		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	2	
C6657		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6658		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6659		ECUM1H103ZFN	C.CAPACITOR 50V 0.01U	1	
C6660		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6661		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6662-64		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C6667,68		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	2	
C6670,71		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	2	
C6674		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C6676-78		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C6679		ECCF1H121JC	C.CAPACITOR 50V 120P	1	
CT6601		ECV1ZW20X60	V.CAPACITOR 20P	1	
D4017		MA153A	DIODE	1	<R>
D6601		MA151K	DIODE	1	<R>
D6603		MA28W-AB	DIODE	1	<R>
IC4014-17		NJM4556MB	IC	4	<R>
IC6605-09		MC14577CP	IC	5	<R>
IC6610		MN1280P	IC	1	<R>
IC6611		M50455-001SP	IC	1	<R>
IC6612		TC4S584F	IC	1	<R>
IC6614		MC74HC4053F	IC	1	<R>
IC6615		TC7S08F	IC	1	<R>
IC6616		MC74HC4053F	IC	1	<R>
L6601-07		VLQEL05K101J	COIL	7	
L6608		VLQEL05K330J	COIL	1	
L6609,10		VLQEL05K470J	COIL	2	
L6611		VLQEL05K150J	COIL	1	
L6612		VLQEL05K101J	COIL	1	
P4006		VJP3490B13	CONNECTOR	1	
P4007		VJP3092	CONNECTOR (MALE)	1	
P4009		VJP3490B13	CONNECTOR	1	
P6601		VJS1490	CONNECTOR (FEMALE)	1	
P6602,03		VJP3490B13	CONNECTOR	2	
P6605		VJS1490	CONNECTOR (FEMALE)	1	
P6606		VJP3076	CONNECTOR	1	
P6607		VJP1243T	CONNECTOR (MALE) 3P	1	
P6608		VJS1488	CONNECTOR (FEMALE)	1	
Q4010		2SD601-R	TRANSISTOR	1	<R>
Q4011		2SB710-R	TRANSISTOR	1	<R>
Q4015-17		2SD1306	TRANSISTOR	3	<R>
Q4021-23		2SD1306	TRANSISTOR	3	<R>
Q4027-29		2SD1306	TRANSISTOR	3	<R>
Q4033-35		2SD1306	TRANSISTOR	3	<R>
Q4036		MSB710-R	TRANSISTOR	1	<R>
Q6606		MSB709-R	TRANSISTOR	1	<R>
Q6609,10		XN4501	TRANSISTOR-RESISTOR	2	<R>
Q6611		MSD601-R	TRANSISTOR	1	<R>
Q6612		XN4401	TRANSISTOR-RESISTOR	1	<R>
Q6614-16		MSB709-R	TRANSISTOR	3	<R>
Q6617		MSD601-R	TRANSISTOR	1	<R>
QR6605		MRN2404	TRANSISTOR	1	<R>
QR6606-09		MRN1404	TRANSISTOR	4	<R>
QR6610,11		MRN2404	TRANSISTOR	2	<R>
R4096,97		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	2	
R4107		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4108		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4109		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4110		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4111		ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	
R4112		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4113,14		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4115		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4116		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4117		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4118		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4119-23		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	
R4133		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4134,35		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4136		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4137		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4138		ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	
R4139,40		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4141		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4142		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4143		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4144		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4145-49		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4159		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4160,61		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4162		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4163		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4164,65		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4166		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4167		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4168		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4169		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4170		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4171		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4172		ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	
R4173-75		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R4185		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4186,87		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4188		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4189		ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	
R4190		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4191,92		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4193		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4194		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4195		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4196		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4197-01		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	
R4204		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4205		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R6618		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R6619		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6620		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R6621,22		VRE0034E102	M.RESISTOR CH 1/10W 1K	2	
R6623		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6624-26		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R6628-31		VRE0034E471	M.RESISTOR CH 1/10W 470	4	
R6632,33		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6634-37		VRE0034E471	M.RESISTOR CH 1/10W 470	4	
R6639-48		VRE0034E471	M.RESISTOR CH 1/10W 470	10	
R6649		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6650		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R6651		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6652		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6653		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6654,55		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R6656		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R6657		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6658		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R6659		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6660		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R6662		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R6663		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6664		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6665		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R6666		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6667		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6672		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6673		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R6677,78		VRE0034E471	M.RESISTOR CH 1/10W 470	2	
R6680		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6681		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6683		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6684		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6685		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6686,87		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R6689		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6690		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6691		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R6694		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6695		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R6698		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
VR4005-08		EVN32CA00B53	V.RESISTOR 5K	4	
X6601		VSX0316	CRYSTAL OSCILLATOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP06909A	P.C.BOARD W/COMPONENT		AG-8700E
			REAR JACK		
J6701-04		VJS3154	CONNECTOR (FEMALE)	4	
J6705		VJS3155	CONNECTOR	1	
J6709		VJP3414A015	CONNECTOR	1	
J6711-13		VJS3154	CONNECTOR (FEMALE)	3	
J6714,15		VJS3155	CONNECTOR	2	
J6716-18		VJS3154	CONNECTOR (FEMALE)	3	
J6719		VJJ0322	RCA PIN JACK	1	
J6720,21		VJS3154	CONNECTOR (FEMALE)	2	
P6701		VJS3215B012	CONNECTOR (FEMALE) 12P	1	
P6702		VJS3215B008	CONNECTOR	1	
P6703		VJS3215B012	CONNECTOR (FEMALE) 12P	1	
P6704		VJS3215B010	CONNECTOR	1	
P6705		VJP3080	CONNECTOR (MALE)	1	
R6701,02		ER0S2CKG75R0	M.RESISTOR 1/4W 75	2	
R6704-06		ER0S2CKG75R0	M.RESISTOR 1/4W 75	3	
R6707		ER0S2CKG68R0	M.RESISTOR 1/4W 68	1	
R6708-14		ER0S2CKG75R0	M.RESISTOR 1/4W 75	7	
R6718,19		ERDS2TJ104	C.RESISTOR 1/4W 100K	2	
SW6701,02		VSS0303	SWITCH	2	<R>
			MISCELLANEOUS		
		VMP4232	CONNECTOR ANGLE	1	
E99		VMX2078	SPACER	3	
		VXQ0102	SCREW	2	
		XTV3+8FFZ	SCREW	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEP06909B	P.C.BOARD W/COMPONENT		AG-8600E
			REAR JACK		
J6703,04		VJS3154	CONNECTOR (FEMALE)	2	
J6709		VJP3414A015	CONNECTOR	1	
J6711-13		VJS3154	CONNECTOR (FEMALE)	3	
J6714,15		VJS3155	CONNECTOR	2	
J6716-18		VJS3154	CONNECTOR (FEMALE)	3	
J6719		VJJ0322	RCA PIN JACK	1	
J6721		VJS3154	CONNECTOR (FEMALE)	1	
P6701		VJS3215B012	CONNECTOR (FEMALE) 12P	1	
P6703		VJS3215B012	CONNECTOR (FEMALE) 12P	1	
P6704		VJS3215B010	CONNECTOR	1	
P6705		VJP3080	CONNECTOR (MALE)	1	
R6702		EROS2CKG75R0	M.RESISTOR 1/4W 75	1	
R6705,06		EROS2CKG75R0	M.RESISTOR 1/4W 75	2	
R6707		EROS2CKG68R0	M.RESISTOR 1/4W 68	1	
R6708-14		EROS2CKG75R0	M.RESISTOR 1/4W 75	7	
R6719		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
SW6702		VSS0303	SWITCH	1	<R>
			MISCELLANEOUS		
		VMP4232	CONNECTOR ANGLE	1	
E99		VMX2078	SPACER	3	
		VXQ0102	SCREW	2	
		XTV3+8FFZ	SCREW	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VEK4265	P.C.BOARD W/COMPONENT		
			REV TENSION SENSOR UNIT		
			MISCELLANEOUS		
E156		VMA7987	REV PHOTO HOLDER	1	
E157		ON1108	PHOTO INTERRUPTER	1	<R>
E94		XTV26+4F	SCREW	1	
		VEK4058	P.C.BOARD W/COMPONENT		
			PHOTO TR (R) UNIT		
			MISCELLANEOUS		
E92		VMD0645	PHOTO TR HOLDER	1	
		VEK3578	P.C.BOARD W/COMPONENT		
			PHOTO TR (L) UNIT		
			MISCELLANEOUS		
E91		VMD0645	PHOTO TR HOLDER	1	
		VEK5556	P.C.BOARD W/COMPONENT		
			SEARCH DIAL UNIT		
			MISCELLANEOUS		
E87		VSQ0651	JOG/SHUTTLE UNIT	1	<R>
E88		XTV3+6F	SCREW	2	
E89		XTV3+8J	SCREW	3	
E90		XYE3+EF6	SCREW	1	